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ABSTRACT

Compiled for school administrators, teachers, researchers, information specialists, professional organizations, students, and others interested in locating and using educational resources on outdoor education, this bibliography is a supplement to four previous publications by the Educational Resources Information Center/Clearinghouse on Rural Education and Small Schools (ERIC/CRESS). Part 1 contains 70 citations and abstracts which have appeared in Resources in Education (RIE), an ERIC publication. RIE document resumes (January 1974-December 1974) are reproduced; they include ERIC accession number (ED), author(s), title, source(s), date of publication, ERIC Document Reproduction Service price or alternate availability, descriptors, identifier(s), and an abstract. Part 2 contains 66 citations from Current Index to Journals in Education (CIJE), also an ERIC publication. Brief annotations appear only when descriptors and identifiers cannot adequately describe the article. A combined RIE and CIJE subject index and an ERIC document reproduction order form are also provided. Entries cover a wide variety of educational materials relative to outdoor education. These include research reports, program descriptions and evaluations, teaching guides, enrichment activities, etc. (JC)

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OUTDOOR EDUCATION

A SELECTED BIBLIOGRAPHY

(with ERIC Abstracts)

ERIC/CRESS Supplement No. 4

ERIC/CRESS

February 1975

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EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

CLEARINGHOUSE ON RURAL EDUCATION AND SMALL SCHOOLS (CRESS)

New Mexico State University

Las Cruces, New Mexico 88003

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The booklet may be duplicated in whole or in part, whenever such duplication is in the interest of bettering education.

February 1975

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INTRODUCTION

The Educational Resources Information Center (ERIC) is a federally funded national information system dedicated to the improvement of education through the dissemination of educational resources and research-related materials. ERIC aids school administrators, teachers, researchers, information specialists, professional organizations, students, and others in locating and using educational resources.

Each of the ERIC network centers focuses on a separate area (or areas) of education (for a listing of the individual clearinghouses, readers should consult a current issue of Research in Education). It is the responsibility of the ERIC Clearinghouse on Rural Education and Small Schools (CRESS) to collect materials related to rural education and small schools, and American Indian, Mexican American, migrant, and outdoor education and to input these materials into the national ERIC system.

A main function of the ERIC system is to process documents other than current journal articles for announcement in Research in Education (RIE), a monthly publication containing abstracts of research, research-related reports, and resource materials in education as input by the various clearinghouses. In addition, ERIC compiles the Current Index to Journals in Education (CIJE), a monthly index which provides citations from more than seven hundred major publications: journals, quarterlies, annuals, and yearbooks.

About the Bibliography

The present bibliography was compiled to provide access to some of the latest research findings or developments in outdoor education. The present bibliography is a supplement to four previous ERIC/CRESS publications. The previously published bibliographies, in conjunction with the present supplement, comprise a series of bibliographies designed to provide cumulative coverage of outdoor education throughout the currently available issues of RIE and CIJE. (It should be noted that microfiche and hard copy prices in the previously published bibliographies do not reflect current ERIC Document Reproduction Service pricing; however,

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prices given therein may be computed as per the instructions on the order blank appended to the present bibliography.)

In conducting the computer search of the ERIC tapes for the purpose of compiling this bibliography, the only term used was OUTDOOR. The output was then screened for relevance to outdoor education.

Sources of Material

Research in Education. Part I of the present supplement contains citations and abstracts which have appeared in RIE from the January 1974 issue through the December 1974 issue. RIE contains subject, author, and institution indexes, along with document resumes which include the ERIC accession number, author(s), title source(s), date of publication, ERIC Document Reproduction Service prices or an alternate availability, and the abstract.

For the subject index, two types of descriptive terms are available for RIE, as well as CIJE: descriptors and identifiers. Descriptors are technically meaningful terms or short phrases that have been incorporated into the Thesaurus of ERIC Descriptors. Descriptors are used to characterize the document and for indexing and retrieval purposes. Only major descriptors (those preceded by an asterisk) are used for indexing purposes in this bibliography.

Proper names of persons, geographical locations, trade names, and so on may be important in describing a document. These terms, called identifiers, are not found in the Thesaurus. Identifiers are included with the citations in RIE for descriptive purposes. Major identifiers (those prededed by an asterisk) are not indexed in this bibliography.

When using the RIE section of this bibliography, the reader is encouraged (1) to utilize the subject index in identifying relevant materials, (2) to examine the resumes to determine appropriateness of materials, and (3) to obtain microfiche or hard copy reproductions of documents from ERIC Document Reproduction Service. The reproductions must be ordered as described on the order blank appended to the present bibliographic supplement.

The reader is reminded that there are numerous complete microfiche

collections of ERIC materials throughout the nation which may be used by the public; please contact the Information Specialist at ERIC/CRESS for information on locations of these collections.

Current Index to Journals in Education. Part II of this supplement, CIJE coverage, includes citations from CIJE beginning with the January 1974 issue and continuing through the December 1974 issue. Entries listed in the CIJE section of this bibliography are processed in a slightly different manner than are RIE citations. Brief annotations take the place of RIE abstracts. Furthermore, annotations are provided only when it is thought that the article being processed cannot be described adequately by a combination of major and minor descriptors, identifiers, and information in the title. Each journal citation includes the publication date, article title, personal author(s), journal title (sometimes abbreviated), and information on the volume, number, and pages. Please note that there are two CIJE entries per page.

Since CIJE entries are not available from ERIC Document Reproduction Service, the reader is encouraged to take advantage of his local library in locating the journals he wishes to use.

The Subject Index

A combined RIE and CIJE index is provided at the end of the present bibliography to assist the user in locating citations pertaining to a given subject area within the realm of outdoor education. The index terms, descriptors under which the citations were indexed in RIE or CIJE, are from the Thesaurus of ERIC Descriptors. Only major descriptors (those preceded by an asterisk) are indexed; major indentifiers are not indexed in this bibliography.

Each citation in the bibliography is headed by an ERIC accession number. Entries from RIE are assigned an ED number; those from CIJE are assigned an EJ number. In both the RIE and CIJE sections, the citations appear in numerical order according to the accession number. The citations are referenced in the index by the accession number.

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Ordering Information

Publications cited in Part I of this bibliography are either available from ERIC Document Reproduction Service (EDRS) or an alternate availability is given with the citation. Prices for microfiche (MF) or hard copy (HC) reproductions from EDRS can be computed by using the number of pages indicated under "Descriptive Note" with each citation and the table on page 121.

Before ordering any item, the RIE citations should be double checked. If the citation carries the statement NOT AVAILABLE FROM EDRS, an alternate availability is given. If the citation carries the statement HC NOT AVAILABLE FROM EDRS, the publication is available in microfiche only from EDRS. If neither of the foregoing statements appears with the RIE citation, it may be assumed that the publication is available from EDRS in microfiche and hard copy. Please use the order blank appended to this bibliography when ordering microfiche or hard copy from EDRS.

Document Contributions

Persons desiring to contribute materials such as those cited in this bibliography may do so by sending one copy (two if available) to:

ERIC/CRESS Acquisitions
New Mexico State University
Box 3 AP
Las Cruces, New Mexico 88003

PREVIOUS BIBLIOGRAPHIES

Outdoor Education, A Selected Bibliography (ED 037 285)

Outdoor Education, A Selected Bibliography. Supplement No. 1 (ED 055 702)

Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS Supplement No. 2 (ED 073 903)

Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS Supplement No. 3 (ED 087 582)

PART I: CITATIONS FROM
RESEARCH IN EDUCATION

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ACCESSION NUMBER: ED081147

PUBLICATION DATE: FEB 73

TITLE: HANDICAPPED CHILDREN'S NATURE STUDY CENTER: A COOPERATIVE PROJECT IN OUTDOOR EDUCATION. END OF PROJECT REPORT.

PERSONAL AUTHOR: LANAGHAN, DAVID M.

DESCRIPTOR: COMMUNITY ROLE; *EXCEPTIONAL CHILD EDUCATION; *HANDICAPPED CHILDREN; LANDSCAPING; NATURE CENTERS; *OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS; *PROGRAM EFFECTIVENESS

IDENTIFIER: ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III

DESCRIPTIVE NOTE: 47P.

PRESENTED IS THE END OF PROJECT REPORT OF THE HANDICAPPED CHILDREN'S NATURE STUDY CENTER AND OUTDOOR EDUCATION PROGRAM (FUNDED THROUGH TITLE III), A COOPERATIVE SCIENCE/SPECIAL EDUCATION PROJECT SERVING APPROXIMATELY 1,000 CHILDREN IN THE MUSCATINE-SCOTT COUNTY SCHOOL SYSTEM IN IOWA. A 6 ACRE LAND STRIP BORDERED BY A CREEK AND A RIVER IS SAID TO HAVE BEEN DEVELOPED WITH SUCH FEATURES AS FORTS, A POND, A GARDEN, A STUDY CENTER, A TRAIL FOR WHEELCHAIRS, AND A CAMPING AREA. MAJOR PROGRAM OBJECTIVES ARE GIVEN, WHICH INCLUDE PROVIDING HANDICAPPED STUDENTS WITH EXPERIENCES AND KNOWLEDGE THEY CAN USE ON THEIR OWN OR WITH FRIENDS AND FAMILIES, AND INCREASING EFFECTIVE AND EFFICIENT LEARNING. REPORTED ARE STUDENT EXPERIENCES, SUCH AS A HALF DAY WINTER OLYMPICS, A LITTER COLLECTING CONTEST, AND PREPARATION OF BIRD FEEDERS AND NESTING MATERIALS BY MULTIHANDICAPPED PRESCHOOL CHILDREN. EXAMPLES OF ENRICHMENT AND CURRICULUM EXTENSION ACTIVITIES, WHICH INVOLVED THE OUTDOOR EDUCATION CONSULTANT WHO WORKED WITH TEACHERS IN 10 SCHOOLS IN SEVEN TOWNS, ARE LISTED, SUCH AS COLLECTING INSECTS, CONSTRUCTING TERRARIUMS, AND VISITING INTEREST AREAS (SUCH AS ROCK QUARRIES OR A FISH HATCHERY). ALSO LISTED ARE THE NUMBERS OF TIMES VARIOUS CLASSES VISITED THE CENTER, THE CLASSES' PROJECTS AND ACTIVITIES, AND VISITS BY OUTSIDE GROUPS, SUCH AS THE OPTIMIST CLUB. PROGRAM EFFECTIVENESS IS DISCUSSED IN RELATION TO CONTINUING THE PROJECT AFTER FEDERAL FUNDS CEASE, SOLICITING FACILITY USE BY MORE GROUPS, AND INSTITUTING A CAMPING PROGRAM. INCLUDED ARE SAMPLE LESSONS FOR RETARDED STUDENTS, A DISSEMINATION REPORT, A FACT SHEET, A MAP, ISSUES OF "THE ACORN" (ENVIRONMENTAL EDUCATION NEWS), AND A REPRINT OF A NEWSPAPER CLIPPING. (MC)

ACCESSION NUMBER: ED081526

PUBLICATION DATE: 73

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TITLE: TEACHING IN THE OUTDOORS. SECOND EDITION.

PERSONAL AUTHOR: HAMMERMAN, DONALD R.; HAMMERMAN, WILLIAM M.

DESCRIPTOR: *CURRICULUM DEVELOPMENT; EVALUATION; *INSTRUCTIONAL MATERIALS; *LEARNING EXPERIENCE; *OUTDOOR EDUCATION; RESIDENTIAL PROGRAMS; TEACHER EDUCATION; *TEACHING TECHNIQUES

DESCRIPTIVE NOTE: 144P.

OUTDOOR EDUCATION IS DESCRIBED IN THIS BOOKLET AS THE CURRENT SOLUTION TO THE NEED FOR REINFORCING ABSTRACT LEARNING WITH CONCRETE EXPERIENCE. OTHER BASIC NEEDS MET BY OUTDOOR EDUCATION ARE EFFECTIVE LEARNING, REALISM IN EDUCATION, ENVIRONMENTAL LITERACY, RECREATIVE EXPERIENCE, BASIC CONCEPTS, AND AWARENESS. MAJOR TOPICS INCLUDE EXTENDING THE SCHOOL CURRICULUM TO THE OUT-OF-DOORS, TECHNIQUES OF TEACHING, LEARNING EXPERIENCES FOR OUTDOOR LABORATORIES, RESIDENT OUTDOOR SCHOOL PROGRAMS, AND IMPLICATIONS FOR TEACHER EDUCATION. EVALUATION PROCEDURES AND RESEARCH FINDINGS ARE ALSO PRESENTED. (PS)

AVAILABILITY: BURGESS PUBLISHING COMPANY, 7108 OHMS LANE, MINNEAPOLIS, MINN. 55435 ($3.95)

Document not available from EDRS

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ACCESSION NUMBER: ED081551

PUBLICATION DATE: 73

TITLE: "OUTDOOR EDUCATION 'WITHOUT BOUNDARIES'", PROCEEDINGS. AN INTERNATIONAL CONFERENCE IN '72 (DORSET, ONTARIO, CANADA, SEPTEMBER 28-OCTOBER 1, 1972).

PERSONAL AUTHOR: WIPPER, KIRK; AND OTHERS

DESCRIPTOR: AMERICAN INDIANS; *CURRICULUM DEVELOPMENT; DAY CARE SERVICES; ENVIRONMENTAL EDUCATION; FIELD TRIPS; *GOVERNMENT ROLE; HANDICAPPED CHILDREN; INSERVICE PROGRAMS; *NATURAL RESOURCES; *OUTDOOR EDUCATION; RESIDENT CAMP PROGRAMS

IDENTIFIER: *CANADA

DESCRIPTIVE NOTE: 224P.

THE 1ST INTERNATIONAL CONFERENCE ON OUTDOOR EDUCATION, 1972, WAS PLANNED TO PROVIDE A BROAD RANGE OF CONTACTS AND EXPERIENCES FOR THE DELEGATES. PAPERS PRESENTED AT THIS CONFERENCE AND REPORTED IN THE PROCEEDINGS COVERED OUTDOOR EDUCATION FOR HANDICAPPED CHILDREN AND NATIVE CHILDREN, RESIDENTIAL PROGRAMS, GOVERNMENT ROLE IN OUTDOOR EDUCATION, CURRICULUM DEVELOPMENT, TEACHER EDUCATION, AND ENVIRONMENTAL EDUCATION. LISTS OF SPEAKERS AND DELEGATES WERE INCLUDED, WITH A COPY OF THE CONFERENCE PROGRAM. (PS)

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ACCESSION NUMBER: ED081566

PUBLICATION DATE: 73

TITLE: ANNUAL REPORTS TO THE COUNCIL ON OUTDOOR EDUCATION AND CAMPING.

PERSONAL AUTHOR: ANDERSON, E. V.

DESCRIPTOR: *CAMPING; CURRICULUM; HANDICAPPED CHILDREN; INSERVICE PROGRAMS; *INTERDISCIPLINARY APPROACH; *LEARNING EXPERIENCE; OBJECTIVES; *OUTDOOR EDUCATION; PHYSICAL EDUCATION; *TEACHING TECHNIQUES

DESCRIPTIVE NOTE: 6P.

FOUR ANNUAL REPORTS ARE PRESENTED IN THIS COLLECTION. THE PROFESSIONAL PREPARATION COMMITTEE LISTED 7 PRINCIPLES SUPPORTING THE BELIEF THAT PROFESSIONAL PREPARATION IN OUTDOOR EDUCATION MUST BE INTERDISCIPLINARY. ALSO INCLUDED IN THAT REPORT WERE COMMITTEE ACTIVITIES AND RECOMMENDATIONS. THE TASK FORCE ON DEFINING AND INTERPRETING OUTDOOR EDUCATION PRESENTED AN INITIAL EFFORT TO RELATE EDUCATIONAL GOALS TO OUTDOOR EDUCATION. THE COMMITTEE ON OUTDOOR EDUCATION FOR OLDER YOUTH PRESENTED A PLAN TO REORGANIZE ITSELF. THE TASK FORCE ON OUTDOOR EDUCATION FOR THE HANDICAPPED ANNOUNCED THE DEVELOPMENT OF A LIST OF SCHOOL DISTRICTS, RELIGIOUS AND CIVIC ORGANIZATIONS AND AGENCIES SPONSORING AND OPERATING OUTDOOR EDUCATION PROGRAMS FOR HANDICAPPED CHILDREN. (PS)

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ACCESSION NUMBER: ED091596

PUBLICATION DATE: 72

TITLE: HANDBOOK FOR FIELD TRIP PARTICIPANTS IN THE ENVIRONMENTAL SENSITIVITY PROJECT. AN ENVIRONMENTAL EDUCATION PROGRAM FOR TEACHERS IN ESCAMBIA AND SANTA ROSA COUNTY SCHOOLS.

PERSONAL AUTHOR: MONTGOMERY, GARY D.; SMITH, HIRAM, JR.

DESCRIPTOR: *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; *FIELD TRIPS; INSERVICE TEACHER EDUCATION; *INSTRUCTIONAL MATERIALS; LEARNING ACTIVITIES; OUTDOOR EDUCATION; *TEACHING GUIDES; TEACHING PROCEDURES

IDENTIFIER: ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III

DESCRIPTIVE NOTE: 16P.

THIS HANDBOOK IS DESIGNED TO INTRODUCE THE PARTICIPATING TEACHER TO THE ENVIRONMENTAL SENSITIVITY PROJECT, AN ESEA TITLE III PROJECT IN ESCAMBIA AND SANTA ROSA COUNTIES, FLORIDA, AND TO GIVE INFORMATION THAT WILL ASSIST TEACHERS PLANNING FIELD TRIPS. IT EXPLAINS WHAT IS EXPECTED OF THE TEACHER AT EACH PHASE OF THE FIELD TRIP PROCESS: ORIENTATION, CLASSROOM PREPARATION, VISITS BY RESOURCE PERSONNEL TO THE CLASSROOM, PRELIMINARY FIELD TRIP, FIELD TRIP PREPARATIONS, THE FIELD TRIP, AND RETURN TO SCHOOL. ALSO INCLUDED ARE SUGGESTIONS FOR FOLLOW-UP ACTIVITIES THAT CAN BE CONDUCTED ON SCHOOL GROUNDS, A GLOSSARY OF ENVIRONMENTAL TERMS, AND A CHECKLIST OF REMINDERS TO AID TEACHERS IN REMEMBERING THE MANY THINGS WHICH COMBINE TO MAKE A MEANINGFUL OUTDOOR EXPERIENCE. THIS WORK WAS PREPARED UNDER AN ESEA TITLE III CONTRACT. (BL)

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ACCESSION NUMBER: ED081587

PUBLICATION DATE: 73

TITLE: TRIP LEADERS GUIDE. OUTDOOR EXPEDITIONS AND CLASSES.

PERSONAL AUTHOR: LEISTER, BOB

DESCRIPTOR: CAMPING; *FIELD TRIPS; INSTRUCTIONAL MATERIALS; *LEADERS GUIDES; ORGANIZATION; *OUTDOOR EDUCATION; *PLANNING; RECREATIONAL ACTIVITIES

DESCRIPTIVE NOTE: 35P.

WRITTEN TO HELP TEACHERS OR LEADERS PLAN AND LEAD FIELD TRIPS, EXCURSIONS, OR EXPEDITIONS WHICH STIMULATE A MOTIVATION TO POSITIVE ACTION, THIS PAMPHLET PROVIDES ASSISTANCE IN CONDUCTING LEARNING EXPERIENCES OUTSIDE THE CLASSROOM. TOPICS AND SUBTOPICS DISCUSSED INCLUDE: (1) CAMPSITES: SELECTION; FIREBUILDING; KNIVES, AXES, SAWS; NEAT CAMPSITES; (2) TRANSPORTATION KNOW HOW: PADDLING CANOES; CARRYING CANOES; SAILING WITH CANOES; PORTAGES; PACKING FOR COMFORT MEANS PACKING LIGHT; PACKING DRY; PACK BOARDS; PROTECTION AND ANIMAL DAMAGE; PROTECTION FROM WATER DAMAGE; CARRYING GEAR AND KIDS; BACKING TRAILERS; (3) ACTIVITIES: STARS, SUN, MOON; MAP AND COMPASS; FRISBIE; (4) FOOD: PLANNING; LIGHT WEIGHT FOOD; LOW COST FOOD; CLEANING UTENSILS AND FOOD HANDLING; COOKING WITH LITTLE OR NO COOKING GEAR; GAS STOVE AND OPERATION; REFLECTOR BAKER; (5) SAFETY: TWO LEADERS; KNOW THE TERRITORY; TURN AROUND AND GO BACK; STAY TOGETHER; PREVENTION OF INJURY; SAFE DRINKING WATER; HOW TO ATTRACT ATTENTION; FIRST AID; NO BARE FEET; ROADWAYS; CONTROL SWIMMING; CONTROL BOATING; WHISTLE; (6) EQUIPMENT: CHECKLIST; ACQUISITION; SLEEPING BAGS AND UNDER-PINNINGS; TENTS, TARPS, PLASTIC; SOURCE LIST; AND (7) AREAS TO GO: NEARBY AREAS; TYPES OF AREAS CLASSIFIED BY SUBJECT; SAMPLE TRIP OUTLINE FOR PLANNING PURPOSES; ADMINISTRATOR AND PARENT INVOLVEMENT. ALSO INCLUDED ARE A SAMPLE PERMISSION SLIP WITH PRE-TRIP QUESTIONNAIRE AND A BIBLIOGRAPHY. (BL)

AVAILABILITY: BOB LEISTER, HARTFORD MIDDLE SCHOOL, WHITE RIVER JUNCTION, VERMONT 05001 ($1.00)

Document not available from EDRS

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ACCESSION NUMBER: ED081607

PUBLICATION DATE: 73

TITLE: OUTDOOR AND ENVIRONMENTAL EDUCATION MANUAL, GRADES K-6.

PERSONAL AUTHOR: ROLLER, ELIZABETH

DESCRIPTOR: *ELEMENTARY GRADES; ENVIRONMENTAL EDUCATION; FUNDAMENTAL CONCEPTS; INSTRUCTIONAL MATERIALS; INTERDISCIPLINARY APPROACH; *LEARNING ACTIVITIES; *NATURAL RESOURCES; *OUTDOOR EDUCATION; *TEACHING GUIDES

DESCRIPTIVE NOTE: 100P.

IN AN EFFORT TO HELP ELEMENTARY TEACHERS SEE HOW THE OUT-OF-DOORS CAN BE UTILIZED IN EVERYDAY TEACHING, THIS MANUAL LISTS POSSIBLE OUTDOOR ACTIVITIES THAT CAN BE INCLUDED IN THE SCHOOL CURRICULUM. INTRODUCTORY INFORMATION DEFINES OBJECTIVES OF OUTDOOR EDUCATION, SUGGESTIONS FOR EVALUATION OF OUTDOOR EDUCATION EXPERIENCES, AND TECHNIQUES FOR TEACHING IN THE OUT-OF-DOORS. THE ACTIVITIES SECTION, DIVIDED BY GRADE LEVEL (1-2, 3, 4, AND 5-6), UTILIZES A CONCEPTUAL APPROACH WITHIN SPECIFIC SUBJECT AREAS. GENERAL OBJECTIVES ARE NOTED FOR EACH SUBJECT, SUCCEEDED BY INDIVIDUAL CONCEPTS AND THEIR SUPPORTING ACTIVITIES AND FOLLOW-UP. SUBJECTS INCLUDE SCIENCE, LANGUAGE ARTS, MATHEMATICS, SOCIAL STUDIES, AND ARTS/CRAFTS/MUSIC AT EACH LEVEL. THE FINAL SEGMENT SUGGESTS HEALTH, PHYSICAL EDUCATION, AND RECREATION ACTIVITIES APPROPRIATE FOR ALL GRADE LEVELS. REFERENCES ARE LISTED BY SECTION. (BL)

ACCESSION NUMBER: ED081608

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PUBLICATION DATE: 71

TITLE: USE THAT CAMPUS.

DESCRIPTOR: *ELEMENTARY GRADES; ENVIRONMENTAL EDUCATION; *NATURAL RESOURCES; *OUTDOOR EDUCATION; *RESOURCE GUIDES; SCHOOL LOCATION; *SITE DEVELOPMENT; STUDENT PROJECTS

DESCRIPTIVE NOTE: 162.

THE PURPOSE OF THIS PUBLICATION IS TWO-FOLD: TO SHOW HOW THE NATURAL FEATURES ON CAMPUSES CAN BE USED EFFECTIVELY IN ENVIRONMENTAL EDUCATION AND TO PLEAD FOR PRESERVATION OF AS MUCH OF THE NATURAL LANDSCAPE AS POSSIBLE ON NEW SCHOOL SITES. SINCE OPPORTUNITIES FOR TEACHING ABOUT NATURE ARE EASILY FOUND ON THE GROUNDS AROUND A SCHOOL, THIS BOOKLET OUTLINES BRIEFLY SOME OF THE WAYS TEACHERS CAN MAKE THE MOST OF THIS OPPORTUNITY, AND GIVES SOURCES FOR ADDITIONAL MATERIAL AND ASSISTANCE. CAMPUS AND PROGRAM DEVELOPMENT DISCUSSES THE OUTDOOR SITE, CLASSROOM PREPARATIONS, AND PROJECT IDEAS BUILT AROUND THE HISTORY OF CONSERVATION, PLANT LIFE, ANIMAL LIFE, NONLIVING ELEMENTS OF THE ENVIRONMENT, LIGHT, WATER, WEATHER, TEMPERATURE, SOIL, MINERALS, AND FIRE. TRAILS, SIGNS, AMPHITHEATERS, PONDS, WEATHER STATIONS, AND MODELS THAT CAN BE BUILT OR DEVELOPED AT THE OUTDOOR LEARNING FACILITY ARE ENUMERATED UNDER TEACHING AIDS. THE FINAL SECTION SUGGESTS ADDITIONAL PROJECTS WHICH CAN BE UNDERTAKEN WITH LITTLE PREPARATION NECESSARY--LEAF IDENTIFICATION, SNOW STUDY, ANIMAL FOOD HABITS, HABITATS, FIREPLACE CONSTRUCTION, COOKING, COMPASS SKILLS, INSECTS, CLOUDS, MEASUREMENT, GROWING PLANTS, SEEDS, BIRDS, TREES, SOIL STUDY, MOISTURE AND RAIN GAUGES, POND LIFE, FOOD MANUFACTURING, DECOMPOSITION, CLIMBING PLANTS, AND WOODLANDS. A BIBLIOGRAPHY IS APPENDED. (BL)

ACCESSION NUMBER: ED081747

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PUBLICATION DATE: 73

TITLE: OUTING ACTIVITIES AND WINTER SPORTS GUIDE WITH OFFICIAL RULES. JULY 1973 - JULY 1975.

PERSONAL AUTHOR: LEMEN, MILDRED, ED.; WASHBURN, JO, ED.

DESCRIPTOR: *CAMPING; *ENVIRONMENTAL EDUCATION; GUIDES; *OUTDOOR EDUCATION; PHYSICAL ACTIVITIES; *PHYSICAL EDUCATION; *PHYSICAL RECREATION PROGRAMS; RECREATIONAL ACTIVITIES; STANDARDS

DESCRIPTIVE NOTE: 161P.

PRESENTED IS A GENERAL DISCUSSION OF OUTING ACTIVITIES AND WINTER SPORTS. STANDARDS IN SPORTS FOR GIRLS AND WOMEN ARE DETAILED, AS IS THE STATEMENT OF BELIEFS OF THE DIVISION FOR GIRLS AND WOMEN'S SPORTS (DGWS). SPECIFIC ARTICLES ON CAMPING, HIKING, AND ENVIRONMENTAL EDUCATION ARE INCLUDED IN THE OUTING SECTION. ARTICLES ON SKATING, SKIING, AND ACCIDENT PREVENTION ARE INCLUDED IN THE WINTER SPORTS SECTION. BIBLIOGRAPHIES ARE PRESENTED FOR EACH SECTION. (BRB)

AVAILABILITY: AMERICAN ASSOCIATION FOR HEALTH, PHYSICAL EDUCATION, AND RECREATION, 1201 SIXTEENTH STREET, N. W., WASHINGTON, D. C. (STOCK NO. 243-25394 NO PRICE QUOTED)

ACCESSION NUMBER: ED082893

BEST COPY AVAILABLE

PUBLICATION DATE: AUG 73

TITLE: A STUDY OF OUTDOOR EDUCATION AND ITS OBJECTIVES AS A BASIS FOR DETERMINING CURRENT TRENDS. A RESEARCH PROJECT.

PERSONAL AUTHOR: ORFORD, GALE B.

DESCRIPTOR: *CONCEPT FORMATION; *DEFINITIONS; EDUCATIONAL OBJECTIVES; *EDUCATIONAL TRENDS; *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION

DESCRIPTIVE NOTE: 80P.; RESEARCH PROJECT FOR FULFILLMENT OF THE REQUIREMENTS FOR RPM 506, PROBLEMS: OUTDOOR EDUCATION

THE STUDY EXAMINES DEFINITIONS OF OUTDOOR EDUCATION (OE) AND SIMILAR TERMS, AND IDENTIFIES THE OBJECTIVES OF SUCH PROGRAMS IN RESIDENT OUTDOOR SCHOOLS TO DETERMINE THEIR EDUCATIONAL PURPOSES. THE STUDY IS LIMITED TO A REVIEW OF OE LITERATURE PUBLISHED BETWEEN 1968-73 IN THE U.S. DEFINITIONS ARE THOSE STATED BY ARBITRARILY SELECTED PEOPLE AND ORGANIZATIONS WITH AN INTEREST OR BACKGROUND IN OE. ANALYSIS OF THE DEFINITIONS (IN CONTEXT) SHOWS THAT TO VARYING DEGREES THEY ATTEMPT TO DESCRIBE: (1) THE PLACE WHERE OE SHOULD OCCUR; (2) THE METHODS THAT OE EMPLOYS; AND (3) ITS CONTENT AND GOALS. OE, ACCORDING TO STATED OBJECTIVES, IS CONCERNED WITH SKILL, KNOWLEDGE, AND ATTITUDES, SOME OF WHICH ARE IDENTICAL TO THOSE AIMED AT BY OTHER EDUCATIONAL PROGRAMS AND OTHERS WHICH APPEAR TO BE UNIQUE TO OE AND IN PARTICULAR TO RESIDENTIAL PROGRAMS. THERE ARE SOME OBJECTIVES WHICH DO NOT FALL INTO THESE CATEGORIES--THESE DESCRIBE SOME INDIVIDUAL OE PROCESSES AND OTHER POSITIVE ATTRIBUTES THAT ARE DESIRABLE OUTCOMES. ALSO INCLUDED ARE PERSONAL COMMENTS AFTER EACH ANALYSIS OF DEFINITIONS AND OBJECTIVES: A PERSONAL POINT OF VIEW OF WHAT OE COULD BE; 2 APPENDICES; AND A BIBLIOGRAPHY LISTING. (FF)

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ACCESSION NUMBER: ED082896

PUBLICATION DATE: 73

TITLE: PROJECT BACSTOP (BETTER ACQUISITION OF COGNITIVE SKILLS THROUGH OUTDOOR PROGRAMMING) EVALUATION REPORT--1972-1973.

DESCRIPTOR: ATTENDANCE; *COGNITIVE DEVELOPMENT; *GRADE 7; OBJECTIVES; *OUTDOOR EDUCATION; *PROGRAM EVALUATION; *RACE RELATIONS; STANDARDIZED TESTS

IDENTIFIER: *MICHIGAN

DESCRIPTIVE NOTE: 38P.

A SERIES OF STRUCTURED EXPERIENCES IN A WILDERNESS SETTING WAS USED TO GENERATE CHANGES IN THE FEELINGS AND ATTITUDES OF STUDENTS AND FACULTY IN THE 7TH GRADE CLASSES IN THE BATTLE CREEK, MICHIGAN PUBLIC SCHOOLS. THE OBJECTIVES OF THE PROJECT WERE TO REVERSE RACIAL SEPARATISM; REDUCE RACIALLY RELATED, NEGATIVE BLACK/WHITE INCIDENTS, TO INCREASE TEACHER/ADMINISTRATOR/COUNSELOR PERCEPTION OF BLACK/WHITE RELATIONSHIPS; TO DECREASE ABSENTEEISM BY INCREASING POSITIVE BLACK/WHITE INTERPERSONAL RELATIONSHIPS; TO IMPROVE STUDENT GRADE POINT AVERAGES; AND TO INCREASE STUDENT PERFORMANCE ON STANDARDIZED TESTS. IN ADDITION TO MEASUREMENT OF THE OBJECTIVES, ANECDOTAL RECORDS WERE SUBMITTED BY TEACHERS, AND A SERIES OF QUESTIONNAIRES WERE USED FOR THE PURPOSE OF OVERALL PROGRAM EVALUATION. MAJOR FINDINGS WERE THAT ALL TEACHERS RESPONDING FOUND THAT TOLERANCE LEVELS WERE HIGHER BETWEEN BLACK AND WHITE STUDENTS, THAT THERE WAS AN INCREASE IN VOLUNTARY BLACK/WHITE ASSOCIATION, THAT THE NUMBER OF RACIALLY RELATED NEGATIVE INCIDENTS WAS REDUCED, AND THAT ABSENTEEISM WAS NOT REDUCED. COPIES OF THE QUESTIONNAIRE, TEST SCORES, AND A DESCRIPTION OF THE PROGRAM WERE INCLUDED. (PS)

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ACCESSION NUMBER: ED082919

PUBLICATION DATE: 70

TITLE: EXPLORING THE OUTDOOR CLASSROOM WITH A HAND LENS.

PERSONAL AUTHOR: RILLO, THOMAS J.

DESCRIPTOR: *CURRICULUM ENRICHMENT; *LEARNING ACTIVITIES; *NATURAL SCIENCES; *OPTICS; *OUTDOOR EDUCATION; PHYSICAL ENVIRONMENT

DESCRIPTIVE NOTE: 6P.

INFORMATION ABOUT HAND LENSES AND THEIR USE IN THE CLASSROOM AND OUT-OF-DOORS FOR CURRICULUM ENRICHMENT IS PRESENTED IN THIS PAPER. SOME BASIC ATTRIBUTES OF THE HAND LENS, INCLUDING SHAPE, FOCAL LENGTH, AND MAGNIFICATION POWER, ARE DESCRIBED. DIRECTIONS FOR MAKING HOLDERS FOR THE LENSES IN THE CLASSROOM ARE GIVEN. TWO CLASSROOM ACTIVITIES AND 14 ACTIVITIES WHICH MAY BE CARRIED OUT ON SCHOOL GROUNDS ARE SUGGESTED AS REPRESENTATIVE OF THE MANY KINDS OF OBSERVATIONS THAT CAN BE MADE WITH A HAND LENS. IT WAS NOTED THAT, TO THE CLASSROOM TEACHER, THE WORLD OF THE HAND LENS CAN OPEN UP UNLIMITED OPPORTUNITIES FOR CURRICULUM ENRICHMENT. (PS)

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ACCESSION NUMBER: ED082920

PUBLICATION DATE: 70

TITLE: EXPLORING A DESERTED FARM--AN OUTDOOR EDUCATION TECHNIQUE.

PERSONAL AUTHOR: RILLO, THOMAS J.

DESCRIPTOR: CURRICULUM ENRICHMENT; ECONOMIC FACTORS; *FARM VISITS; *FIELD TRIPS; HUMAN RESOURCES; *LEARNING ACTIVITIES; NATURAL RESOURCES; *OUTDOOR EDUCATION; SOCIAL FACTORS; *TEACHING TECHNIQUES

DESCRIPTIVE NOTE: 5P.

THE EXPLORATION OF DESERTED FARMS AS A TEACHING TECHNIQUE IS DESCRIBED IN THIS PAPER. A FARM ACTUALLY USED BY A CLASS IS DESCRIBED. THE METHOD USED FOR EXPLORING THE FARM CONSISTED OF DIVIDING THE CLASS INTO SMALL GROUPS BEFORE THE VISIT, ALLOWING TIME FOR EACH GROUP TO PREPARE FOR A SPECIFIC ASSIGNMENT, AND SCHEDULING A MEETING FOR ALL STUDENTS TO FORM GENERAL CONCLUSIONS ABOUT THE FARM AFTER THE INVESTIGATION. THE SPECIAL ASSIGNMENTS INCLUDED GATHERING INFORMATION ABOUT THE HOUSE SITE, THE BARN, GARDEN AND ORCHARD, AND ROADS AND FENCES. THE CURRICULUM AREAS COVERED WERE ART, LANGUAGE ARTS, SCIENCE, ARITHMETIC, AND CONSERVATION. IT WAS NOTED THAT THE FUNDAMENTAL CONCEPTS DEVELOPED IN A DESERTED FARM EXPERIENCE INCLUDED AN UNDERSTANDING OF PAST MISUSE OF FARM LAND AND OTHER RESOURCES WHICH ARE CURRENTLY AFFECTING MODERN DAY COMMUNITIES AND THAT HUMAN RESOURCES RISE OR FALL WITH THE NATURAL RESOURCES. (PS)

16

ACCESSION NUMBER: ED082921

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PUBLICATION DATE: 70

TITLE: TEACHER TECHNIQUES: EXPLORING TIMBER CRUISING.

PERSONAL AUTHOR: RILLO, THOMAS J.

DESCRIPTOR: ECONOMIC FACTORS; *FORESTRY OCCUPATIONS; MANAGEMENT; *MEASUREMENT INSTRUMENTS; *OUTDOOR EDUCATION; *TEACHING TECHNIQUES; *TREES

DESCRIPTIVE NOTE: 3P.

A TIMBER CRUISE IS AN ESTIMATE OF THE TIMBER IN A STAND TO SEE WHAT KINDS OF TREES ARE GROWING, HOW MANY ARE MARKETABLE, AND WHETHER GOOD FOREST MANAGEMENT PRACTICES ARE FOLLOWED. THE OBJECTIVES OF TIMBER CRUISING ARE TO SECURE INFORMATION TO RECOMMEND GOOD MANAGEMENT PRACTICES TO THE LAND OWNER AND TO DETERMINE THE COMMERCIAL VALUE OF THE TREES. TIMBER CRUISING IS A TECHNIQUE WHICH CAN BE USED BY CLASSROOM TEACHERS IN OUTDOOR TEACHING. THE CLASS IS DIVIDED INTO SMALL TEAMS AND ASSIGNED TO A SPECIFIC SEGMENT OF THE STAND. TWO OF THE TOOLS REQUIRED, THE BILTMORE STICK AND THE HYPSOMETER, CAN BE REQUESTED FROM THE U. S. FOREST SERVICE. OTHER TOOLS NEEDED INCLUDE A YARDSTICK, A PACING COURSE, A FORESTER'S CHAIN, A DIAMETER TAPE, A MERRITT HYPSOMETER, A VOLUME TABLE, AND A TALLY SHEET. DIRECTIONS FOR USING THE BILTMORE STICK AND THE HYPSOMETER ARE GIVEN IN THIS PAPER. (PS)

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ACCESSION NUMBER: ED082922

PUBLICATION DATE: 70

TITLE: EXPLORING FENCEROWS--AN OUTDOOR TEACHING TECHNIQUE.

PERSONAL AUTHOR: RILLO, THOMAS J.

DESCRIPTOR: ECONOMIC FACTORS; *FIELD TRIPS; *LEARNING ACTIVITIES; *OUTDOOR EDUCATION; *PLANT IDENTIFICATION; SOIL SCIENCE; *TEACHING TECHNIQUES

DESCRIPTIVE NOTE: 3P.

THE EXPLORATION OF FENCEROWS AS AN OUTDOOR TEACHING TECHNIQUE IS DESCRIBED. THE CONCEPTS THAT CAN BE DEVELOPED AS STUDENTS WALK DOWN THE FENCEROWS ARE RELATED TO SCIENCE, LIFE STYLES, AND ECONOMY. BY DIVIDING A CLASS INTO SMALL GROUPS, A TEACHER CAN EMPLOY PROBLEM-SOLVING TECHNIQUES IN FENCEROW EXPLORATION. THE FOLLOWING GROUP TOPICS ARE POSSIBLE APPROACHES: ANIMALS, MICROCLIMATE, SOIL, AND FENCE SCOUTING. IT WAS NOTED THAT FENCEROW EXPLORATION IS ONE OF MANY OUTDOOR ACTIVITIES WHICH HELP TO BUILD UNDERSTANDINGS, IDENTIFY AND SOLVE PROBLEMS, FORM JUDGEMENTS, AND INTENSIFY INTEREST IN AND APPRECIATION OF THE WORLD IN WHICH WE LIVE. (PS)

18

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ACCESSION NUMBER: ED082923

PUBLICATION DATE: 70

TITLE: EXPLORING RAILROAD TRACK ECOLOGY AS AN OUTDOOR TEACHING TECHNIQUE.

PERSONAL AUTHOR: RILLO, THOMAS J.

DESCRIPTOR: *CURRICULUM ENRICHMENT; *ECOLOGY; *LEARNING ACTIVITIES; MEASUREMENT INSTRUMENTS; NATURAL RESOURCES; *OUTDOOR EDUCATION; *TEACHING TECHNIQUES

DESCRIPTIVE NOTE: 6P.

RAILROAD RIGHT-OF-WAYS CAN PROVIDE AN OUTDOOR CLASSROOM WHERE MANY INDIGENOUS ORGANISMS AND OTHER NATURAL RESOURCES CAN BE DIRECTLY EXPERIENCED. A TYPICAL CLASS CAN BE DIVIDED INTO 3 OR 4 SEGMENTS, WITH EACH REPRESENTING A STUDY GROUP ASSIGNED TO A SPECIFIC AREA OF INVESTIGATION. SUGGESTED ACTIVITIES AND QUESTIONS ARE PRESENTED FOR THE FOLLOWING: EMBANKMENT, RAILROADS, TIES, RAILS, SOIL, MICRO-CLIMATE, SPEED, AND DISTANCE. A CHECKLIST OF A RAILROAD TRACK COVERED THE MAJOR TOPICS OF MAN, MAMMALS, BIRDS, INSECTS, AND PLANTS. IT WAS NOTED THAT SCIENCES, SOCIAL STUDIES, MATHEMATICS, LANGUAGE ARTS, ART, AND MUSIC CAN BE EASILY ENRICHED WHEN CONCEPTS INHERENT IN EACH DISCIPLINE ARE EXTENDED TO THE RAILROAD TRACK OUTDOOR LABORATORY. (PS)

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ACCESSION NUMBER: ED082924

PUBLICATION DATE: 70

TITLE: EXPLORING SMALL CLIMATES--AN OUTDOOR SCIENCE TECHNIQUE.

PERSONAL AUTHOR: RILLO, THOMAS J.

DESCRIPTOR: *CLIMATIC FACTORS; *CURRICULUM ENRICHMENT; ELEMENTARY GRADES; LEARNING ACTIVITIES; *OUTDOOR EDUCATION; *SCIENCE ACTIVITIES; *TEACHING TECHNIQUES; TEMPERATURE

DESCRIPTIVE NOTE: 6P.

THE STUDY OF CLIMATES IN SMALL AREAS AS AN OUTDOOR SCIENCE TEACHING TECHNIQUE IS DESCRIBED IN THIS PAPER. IT IS SUGGESTED THAT, WHILE TEACHERS ARE PRESENTING A WEATHER UNIT TO THEIR ELEMENTARY SCHOOL CLASSES, THEY SHOULD NOT OVERLOOK THE OPPORTUNITY TO MAKE LEARNING MORE MEANINGFUL THROUGH OUTDOOR TEACHING TECHNIQUES. EXPLORATIONS OF TEMPERATURES IN DIFFERENT PLACES MAY INDICATE THAT FACTORS AFFECTING WEATHER, SUCH AS TEMPERATURE, HUMIDITY, SUN RADIATION, WIND AND AIR MOVEMENT, CONDUCTIVITY, SHAPE OF THE LAND SURFACE, AND PRECIPITATION MAY VARY AS MUCH FOR THE LITTLE CLIMATES AS THEY DO FOR A GENERAL REGION. VARIOUS METHODS OF OBSERVING THE WEATHER ARE SUGGESTED. A LESSON PLAN FOR THE STUDY OF SMALL CLIMATES PROVIDES THE FOLLOWING: OBJECTIVES, CONCEPTS, VOCABULARY, MATERIALS, INSTRUCTIONAL PROCEDURE AND ACTIVITIES, AND EVALUATION. (PS)

20

ACCESSION NUMBER: ED 82925

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PUBLICATION DATE: 71

TITLE: THE NEED OF ENVIRONMENTAL EDUCATION FOR THE URBANITE.

PERSONAL AUTHOR: RILLO, THOMAS J.

DESCRIPTOR: ECOLOGY; *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; *INTERDISCIPLINARY APPROACH; LEARNING EXPERIENCE; NEEDS; *OUTDOOR EDUCATION; *URBAN POPULATION

DESCRIPTIVE NOTE: 11P.

THERE IS A GROWING NEED FOR ENVIRONMENTAL EDUCATION, DEFINED AS THE PART OF THE TOTAL EDUCATIONAL PROCESS WHICH ATTEMPTS TO CONVEY THOSE VALUES, CONCEPTS, AND KNOWLEDGES ASSOCIATED WITH THE EXTERNAL ENVIRONMENT, IN URBAN AREAS. SINCE MORE PEOPLE ARE MOVING TO URBAN AREAS, THESE AREAS ARE BECOMING PLAGUED WITH FAST GROWING ENVIRONMENTAL PROBLEMS. AN ENLIGHTENED CITIZENRY WITH A FRAMEWORK OF REFERENCE SUFFICIENT TO MOTIVATE PARTICIPATION IN ACTION PROGRAMS LEADING TO THE ALLEVIATION OR MODIFICATION OF THESE ENVIRONMENTAL PROBLEMS IS NEEDED. THE DEVELOPMENT OF THIS ENLIGHTENED AND INFORMED CITIZENRY CAN BE ACCOMPLISHED BY (1) EDUCATING THE ADULT POPULATION THROUGH NEWSPAPERS, RADIO, TELEVISION, FILMS, CONFERENCES, WORKSHOPS, FORUMS, LEGISLATIVE INVOLVEMENT, COMMUNITY PLANNING BOARDS, AND LOCAL, STATE, AND FEDERAL INVOLVEMENT AND SUPPORT; AND (2) EDUCATING THE CHILDREN AND YOUTH OF THE NATION. IT IS RECOMMENDED THAT AN EXPERIMENTAL PROGRAM IN ENVIRONMENTAL EDUCATION WHICH IS RELATED TO A REGULAR SCHOOL CURRICULUM BE PROVIDED. IT SHOULD BE AN INTEGRAL PART OF EVERY SUBJECT AREA AT EACH GRADE LEVEL AND SPIRAL UPWARD THROUGH THE GRADES. THIS SECOND APPROACH IS DISCUSSED IN THIS PAPER. (NO)

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ACCESSION NUMBER: ED082926

PUBLICATION DATE: 70

TITLE: THE MOBILE EDUCATIONAL TRAILER UNIT IN OUTDOOR TEACHING.

PERSONAL AUTHOR: RILLO, THOMAS J.

DESCRIPTOR: CENTERS OF INTEREST; EDUCATIONAL EQUIPMENT; EDUCATIONAL FACILITIES; FIELD TRIPS; *FLEXIBLE FACILITIES; *LEARNING EXPERIENCE; *MOBILE CLASSROOMS; *MOBILE LABORATORIES; *OUTDOOR EDUCATION; RESOURCE MATERIALS; TEACHING CONDITIONS

DESCRIPTIVE NOTE: 17P.

THE CONCEPT OF ACHIEVING MOBILITY FOR OUTDOOR TEACHING USING A SMALL MOBILE EDUCATIONAL UNIT AND THE TECHNIQUES OF FACILITATING THE MOBILITY OF EQUIPMENT AND SUPPLIES ARE DISCUSSED IN THIS ARTICLE. A SMALL TRAILER UNIT CAN BE USED TO ENRICH THE LEARNING EXPERIENCES OF STUDENTS. SINCE THE MOBILE EDUCATIONAL UNIT IS ADAPTABLE, IT CAN BE USED AS A CLASSROOM-LABORATORY ON WHEELS. A TRAILER UNIT HAS MANY OTHER ADVANTAGES, SUCH AS: (1) THE EQUIPMENT CAN BE CONVEYED TO EACH SCHOOL, THUS SAVING INDIVIDUAL SCHOOLS FROM HAVING TO SPEND THEIR LIMITED BUDGETS; (2) THE EQUIPMENT IS ALWAYS AVAILABLE AND NOT MISLEAD; (3) IT IS DURABLE; (4) IT CAN BE CONSTRUCTED BY SCHOOL MAINTENANCE PERSONNEL OR THE INDUSTRIAL ARTS CLASSES; (5) IT CAN BE UTILIZED AS A MULTI-PURPOSE TEACHING STATION--I.E., A CENTER FOR NATURE SLIDE TALKS AT NIGHT OR A ROLLING NATURE CENTER OF LIVE WILDLIFE SPECIMENS; AND (6) IT CAN BE USED AS A TRAVELING FIELD STATION FOR EXTENSIVE AND DIVERSIFIED FIELD TRIPS. ALSO GIVEN IS A LIST OF EQUIPMENT AND LIBRARY REFERENCES FOR THE MOBILE EDUCATIONAL UNIT. (NQ)

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ACCESSION NUMBER: ED082927

PUBLICATION DATE: 71

TITLE: EXPLORING THE INSECT WORLD, AN OUTDOOR TEACHING TECHNIQUE.

PERSONAL AUTHOR: RILLO, THOMAS J.

DESCRIPTOR: ELEMENTARY GRADES; ENRICHMENT ACTIVITIES; *ENTOMOLOGY; INTEGRATED ACTIVITIES; *INTERDISCIPLINARY APPROACH; *OUTDOOR EDUCATION; *SCIENCE ACTIVITIES; *TEACHING TECHNIQUES

DESCRIPTIVE NOTE: 21P.

INFORMATION ABOUT THE INSECT WORLD AND ITS ADVANTAGES FOR THE ELEMENTARY CLASSROOM TEACHER IS GIVEN IN THIS PAPER, ALONG WITH ACTIVITIES WHICH CAN TEACH STUDENTS ABOUT INSECTS. THE INSECT WORLD TENDS TO BE NOTICED BY THE AVERAGE PERSON ONLY WHEN THE SMALL CREATURES BECOME PESTS OR INHABIT MAN'S ABODE. HOWEVER, YOUNG STUDENTS HAVE A SHARP SENSE OF CURIOSITY AND ARE USUALLY FASCINATED WITH INSECT ACTIVITY. THE TEACHER SHOULD USE THESE CHARACTERISTICS TO HER ADVANTAGE SINCE THE INSECT WORLD IS READILY ACCESSIBLE THROUGH MUCH OF THE SCHOOL YEAR. THE TEACHER CAN COMBINE THIS STUDY WITH OTHER REGULAR SUBJECTS. AMONG THE VARIOUS ACTIVITIES RECOMMENDED ARE: MAKING AN OBSERVATION DATA CHART; TAKING A FIELD TRIP TO STUDY THE NOISE MADE BY VARIOUS INSECTS AND RECORDING THEM; MAPPING THEIR ACTIVITIES; STUDYING THE RELATIONSHIP BETWEEN 2 OR 3 KINDS OF A CERTAIN INSECT; MAPPING TRAVEL AT NIGHT; MAKING A CHECKLIST OF HABITATS OR NICHES; COLLECTING INSECTS; MAKING PLASTER OF PARIS FOSSIL IMPRINTS OF INSECTS OR THEIR HOMES; AND IDENTIFYING INSECTS FOUND ON A SINGLE PLANT. THE ACTIVITIES GIVEN INCLUDE BOTH OUTDOOR AND CLASSROOM ACTIVITIES. (NO)

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ACCESSION NUMBER: ED082928

PUBLICATION DATE: 70

TITLE: EXPLORING SOUND IN THE OUTDOOR CLASSROOM.

PERSONAL AUTHOR: RILLO, THOMAS J.

DESCRIPTOR: *ACOUSTICAL ENVIRONMENT; EARS; *ELEMENTARY SCHOOL SCIENCE; *ENERGY; LEARNING ACTIVITIES; MOTION; ORAL COMMUNICATION; *OUTDOOR EDUCATION; *TEACHING TECHNIQUES

DESCRIPTIVE NOTE: 15P.

THE PAPER DESCRIBES TEACHING THE PHENOMENA OF SOUND IN THE OUTDOOR CLASSROOM TO ENHANCE LEARNING EXPERIENCES. METHODS FOR DEMONSTRATING SOUND TRAVEL AND SPEED ARE EXPLAINED. ACTIVITIES COVER LISTENING TO NATURAL SOUNDS, DETERMINING TONE AND VOLUME, AND CONSTRUCTING INSTRUMENTS FROM NATURAL SOURCES. THE SUGGESTED LESSON PLAN FOR EXPLORING SOUNDS OUT-OF-DOORS INCLUDES OBJECTIVES, CONCEPTS, VOCABULARY, MATERIALS, INSTRUCTIONAL PROCEDURES AND ACTIVITIES, AND EVALUATION QUESTIONS. (KM)

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ACCESSION NUMBER: ED082929

PUBLICATION DATE: 70

TITLE: GAMES UTILIZING NATIVE MATERIALS. EXPANDED EDITION.

DESCRIPTOR: CAMPING; *EDUCATIONAL GAMES; GAMES; MOTOR DEVELOPMENT; *NATURAL RESOURCES; *OUTDOOR EDUCATION; PLAY; *PSYCHOMOTOR SKILLS; RECREATIONAL ACTIVITIES; RESOURCE MATERIALS; *SKILL DEVELOPMENT

DESCRIPTIVE NOTE: 30P.

GIVEN IN THIS PAPER ARE 27 GAMES WHICH CAN BE USED WHILE CAMPING OUTDOORS. THE GAMES PROVIDE OPPORTUNITIES FOR RECREATION, MUSCULAR ACTIVITY, AND DEVELOPMENT OF NEUROMUSCULAR SKILLS IN HANDLING GAME EQUIPMENT AND IN RUNNING, JUMPING, LEAPING, DODGING, AND CLIMBING. THE GAMES ATTEMPT TO UTILIZE SUCH NATURAL SURROUNDINGS AS STICKS, STONES, LOGS, FEATHERS, TREE BRANCHES, BARK, REEDS, CLAY, TIN CANS, STRINGS AND CANVAS. MAKING THE EQUIPMENT FROM THESE NATURAL RESOURCES PROVIDES AN OPPORTUNITY FOR CREATIVE ABILITY AND A FEELING OF ACCOMPLISHMENT. SOME OF THE GAMES CAN BE PLAYED BY AN INDIVIDUAL AND OTHERS ARE FOR 2 OR MORE. INFORMATION GIVEN FOR EACH GAME INCLUDES A LISTING AND DESCRIPTION OF THE EQUIPMENT, A DIAGRAM OF THE PLAYING AREA, AND A DESCRIPTION OF THE GAME. (NQ)

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ACCESSION NUMBER: ED082968

PUBLICATION DATE: 73

TITLE: OUR WORLD AND WELCOME TO IT: A HANDBOOK FOR ENVIRONMENTAL EDUCATION.

PERSONAL AUTHOR: SEILHEIMER, JACK A.; LANE, ED

DESCRIPTOR: ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS; INTERDISCIPLINARY APPROACH; *LEARNING ACTIVITIES; *NATURAL RESOURCES; NONGRADED SYSTEM; *OUTDOOR EDUCATION; *PERCEPTION; *TEACHING GUIDES

DESCRIPTIVE NOTE: 152P.

PREPARED FOR USE IN OUTDOOR AND ENVIRONMENTAL STUDIES, THIS MANUAL PROVIDES A COLLECTION OF ACTIVITIES WHICH FOCUS ON AWARENESS, REPRESENTED AS A PROCESS INVOLVING OBSERVATION, INTERPRETATION, AND APPLICATION. TRADITIONAL SUBJECTS AND PROCESSES ARE SUGGESTED FOR EACH COMPONENT OF THE AWARENESS CONTINUUM. HOWEVER, BECAUSE THE ACTIVITIES ARE NON-GRADED, TEACHERS ARE ENCOURAGED TO SYNTHESIZE THE IDEAS WITH THE AWARENESS CONTINUUM IN A MANNER BEST SUITED TO INDIVIDUAL NEEDS AND INTERESTS. THE ACTIVITIES, RANGING FROM ENVIRONMENTAL COLLAGES, LANGUAGE ARTS IN A SANDBOX, AND WEATHER FORECASTING TO COMMUNITY STRUCTURE ANALYSIS, FOREST MANAGEMENT, AND BLIND NATURE WALKS, CAN BE USED WITH PRE-SCHOOLERS THROUGH ADULTS. MATERIALS NEEDED, OBJECTIVES, AND PROCEDURES ARE OUTLINED FOR EACH ACTIVITY. IN ADDITION, THE HANDBOOK DISCUSSES PLANNING AN OUTDOOR EDUCATION AREA, PRE- AND POSTTEST IDEAS, GUIDELINES FOR ENVIRONMENTAL ACTION, COMMUNITY RESOURCES, AND COMPILES DATA CHARTS, DIAGRAMS, AND BIBLIOGRAPHIC REFERENCES. (BL)

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ACCESSION NUMBER: ED082986

PUBLICATION DATE: 8 SEP 72

TITLE: SUMMARY OF THE AMERICAN CAMPING ASSOCIATION CAMP ECOLOGICAL TRAINING PROJECT, 1972.

PERSONAL AUTHOR: FLUCHEL, ROBERT W.; GREGORY, CHARLES A.

DESCRIPTOR: CAMPING; *CONSERVATION EDUCATION; ENVIRONMENTAL EDUCATION; *EVALUATION; NATURAL RESOURCES; OUTDOOR EDUCATION; *PROGRAM DEVELOPMENT; REPORTS; *RESIDENT CAMP PROGRAMS; *STAFF IMPROVEMENT

IDENTIFIER: CAMP ECOLOGICAL TRAINING PROJECT

DESCRIPTIVE NOTE: 19P.

BRIEFLY SUMMARIZED IS THE AMERICAN CAMPING ASSOCIATION'S CAMP ECOLOGICAL TRAINING PROJECT, ITS GOALS, ACCOMPLISHMENTS, PROBLEMS, AND FUTURE POTENTIAL AS SEEN BY THE FIRST TWO ITINERANT ECOLOGISTS WHO PARTICIPATED IN THE PROJECT. CREATION OF AN ECOLOGICAL AWARENESS AND CONSERVATION CONSCIOUSNESS WERE THE MAJOR GOALS OF THE PROJECT. TO ACCOMPLISH THESE, THE ITINERANT ECOLOGISTS VISITED 29 SELECTED CAMPS TO HELP DEVELOP THEIR ECOLOGY NATURE PROGRAMS AND ASSIST IN EDUCATING THE STAFF. A FEW OF THE ACTIVITIES CONDUCTED, TRAINING METHODS OR TECHNIQUES UTILIZED, AND SUGGESTIONS OFFERED FOR FURTHER PROGRAM AND STAFF DEVELOPMENT ARE MENTIONED TOGETHER WITH AN EVALUATION OF DIRECTOR RESPONSE TO THE PROGRAM AND COUNSELOR INTEREST. ADDITIONAL COMMENTS ARE MADE REGARDING SCHEDULING AND COMMUNICATION, FINANCIAL ASPECTS, VEHICLES, EQUIPMENT, AND FUTURE PROGRAMMING. (BL)

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ACCESSION NUMBER: ED083117

PUBLICATION DATE: MAR 73

TITLE: ALL AROUND YOU. AN ENVIRONMENTAL STUDY GUIDE.

DESCRIPTOR: *ACTIVITY UNITS; BIBLIOGRAPHIES; *ECOLOGICAL FACTORS; ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; INTERMEDIATE GRADES; NATURAL RESOURCES; OUTDOOR EDUCATION; PERCEPTION; POPULATION EDUCATION; *STUDY GUIDES

DESCRIPTIVE NOTE: 148P.

THIS STUDY GUIDE FOR ENVIRONMENTAL EDUCATION FOCUSES ON DEVELOPMENT OF KNOWLEDGE AND ATTITUDES CONCERNING ENVIRONMENTAL FACTORS AND INTER-RELATIONSHIPS. THE ACTIVITIES DESIGNED FOR USE IN ELEMENTARY AND INTERMEDIATE GRADES BEGIN IN THE CLASSROOM AND MOVE OUTSIDE TO THE SCHOOLYARD, THE TOWN, AND NATURAL OR RURAL AREAS. THREE UNITS DEALING WITH ENVIRONMENTAL AWARENESS, THE URBAN ECOSYSTEM, AND NATURE'S ECOSYSTEM ARE DETAILED. APPENDICES INCLUDE A VOCABULARY LIST AND BIBLIOGRAPHIES OF RELATED READING MATERIALS. (SHM)

AVAILABILITY: SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 ($2.35 STOCK NUMBER 2411-00043)

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ACCESSION NUMBER: ED083185

PUBLICATION DATE: 73

TITLE: OUTDOOR RECREATION BEHAVIOR AS VIEWED FROM A SYMBOLIC INTERACTIONISM PERSPECTIVE.

PERSONAL AUTHOR: COLTON, CRAIG W.; MORRIONE, THOMAS J.

DESCRIPTOR: *BEHAVIOR; *INTERACTION PROCESS ANALYSIS; *OUTDOOR EDUCATION; *PHYSICAL EDUCATION; PHYSICAL ENVIRONMENT; *RECREATIONAL ACTIVITIES; SOCIAL RELATIONS

DESCRIPTIVE NOTE: 16P.; PAPER PRESENTED AT THE ANNUAL MEETING OF THE RURAL SOCIOLOGICAL SOCIETY, COLLEGE PARK, MARYLAND, AUGUST 26, 1973

THIS PAPER ANALYZES PAST STUDIES OF OUTDOOR RECREATIONAL BEHAVIOR FROM THE POINT OF VIEW OF SYMBOLIC INTERACTIONISM. THIS PERSPECTIVE FOCUSES DIRECTLY ON THE MANNER IN WHICH INDIVIDUALS INTERPRET THE WORDS AND BEHAVIOR OF OTHERS, AS WELL AS THEIR OWN PHYSICAL ENVIRONMENT. THE FIRST PART OF THE ANALYSIS EXAMINES SOME RECENT DEFINITIONS OF RECREATION AND DATA ON OUTDOOR RECREATION. THE SECOND PART IS DEVOTED TO A SOCIAL-PSYCHOLOGICAL SCRUTINY OF THIS FORM OF HUMAN ACTION. SPECIFIC ATTENTION IS GIVEN TO DEMONSTRATING THE USEFULNESS OF SYMBOLIC INTERACTIONISM AS A WAY TO REGARD OUTDOOR RECREATIONAL BEHAVIOR AS A LEARNED AND SYMBOLICALLY TRANSMITTED SOCIAL ACTION. (AUTHOR/BRB/CL)

ACCESSION NUMBER: ED083247

PUBLICATION DATE: 72

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TITLE: OUTDOOR RECREATION ACTION. REPORT 25.

DESCRIPTOR: *FEDERAL PROGRAMS; *OUTDOOR EDUCATION; *RECREATION; *STATE PROGRAMS

IDENTIFIER: OUTDOOR RECREATION

DESCRIPTIVE NOTE: 35P.

THIS REPORT FROM THE DEPARTMENT OF INTERIOR PRESENTS INFORMATION CONCERNING INDIVIDUAL STATE ACTIONS AND PROJECTS RELATED TO THE BROAD TOPIC OF OUTDOOR RECREATION. INCLUDED ARE DATA ON THE FOLLOWING TOPICS: RIGHTS-OF-WAY FOR RECREATION; FEDERAL FINANCING OF OUTDOOR RECREATION; STATE AND LOCAL FINANCING OF OUTDOOR RECREATION; FEDERAL ACQUISITION AND DEVELOPMENT; FEDERAL PLANNING, RESEARCH, CONFERENCES, AND SPECIAL STUDIES; AND SURPLUS PROPERTY FOR PARKS AND RECREATION. (JA)

AVAILABILITY: SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402 ($.55)

ACCESSION NUMBER: ED084402

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PUBLICATION DATE: MAR 73

TITLE: A PLAN FOR THE DEKALB COUNTY EXTENSION OUTDOOR LIVING SCIENCES LABORATORY. DEKALB COUNTY, GEORGIA.

PERSONAL AUTHOR: SHELNUTT, MORRIS W.

DESCRIPTOR: BLIND; *CURRICULUM DEVELOPMENT; EDUCABLE MENTALLY HANDICAPPED; *ENVIRONMENTAL EDUCATION; FARM VISITS; GENETICS; *OUTDOOR EDUCATION; PHYSICALLY HANDICAPPED; *PLANNING (FACILITIES); PROGRAM EVALUATION; PROGRAM PLANNING; UNIT PLAN

DESCRIPTIVE NOTE: 42P.

INNOVATIVE METHODS ARE OUTLINED FOR DEVELOPING AN OUTDOOR FARM SITE, WHICH WOULD SERVE AS A TANGIBLE EDUCATIONAL FACILITY, IN AN URBAN COUNTY. ALTHOUGH SUCH A FACILITY WOULD PRIMARILY SERVE AN EXTENSION YOUTH PROGRAM, THE ENVIRONMENTAL INSTRUCTION WOULD BENEFIT CITIZENS OF ALL AGES IN GRASPING A BETTER UNDERSTANDING OF MAN'S RELATIONSHIP TO THE NATURAL ENVIRONMENT. SUCH A FACILITY WOULD PROVIDE AN IDEAL ATMOSPHERE TO DEMONSTRATE PROJECTS RELATING TO A FARM AND THE URBAN SETTING AND TO TEACH ENVIRONMENTAL SCIENCES AND ECOLOGY. FACILITY PLANS AND PROPOSED COSTS OF THE FARM PROJECT DURING ITS PREPARATION AND AFTER ITS PROGRAMS ARE UNDERWAY HAVE BEEN INCLUDED. COURSES INCLUDED IN THE CURRICULUM ARE: THE FARM AND YOU, THE FARMER AND THE FARM, INTRODUCTION TO GENETICS, REPRODUCTIVE SYSTEMS, SPECIAL PROGRAMS FOR PHYSICALLY HANDICAPPED (BLIND, WHEELCHAIR PATIENT) AND EDUCABLE MENTALLY HANDICAPPED, ENVIRONMENT AND OUTDOOR APPRECIATION. PROCESSES FOR THE EVALUATION AND MODIFICATION OF PROGRAMS ARE ALSO INCLUDED. (EA)

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ACCESSION NUMBER: ED085149

PUBLICATION DATE: OCT 71

TITLE: ARCHERY--A CATALYST FOR SUBJECT INTEGRATION.

PERSONAL AUTHOR: SAVOY, GORDON H.

DESCRIPTOR: *ARCHERY; ATHLETIC ACTIVITIES; *CURRICULUM DESIGN; EDUCATIONAL METHODS; INSTRUCTIONAL DESIGN; MATHEMATICS; METRIC SYSTEM; *OUTDOOR EDUCATION; *PHYSICAL EDUCATION; PROGRAM EFFECTIVENESS; *SCIENCES; TEACHING GUIDES

IDENTIFIER: *CANADA

DESCRIPTIVE NOTE: 11P.

ARCHERY INVOLVES SKILL DEVELOPMENT IN P.E., MATHEMATICS, AND SCIENCE. ARCHERY TAUGHT AT THE HIGH SCHOOL LEVEL HAS 3 MAIN OBJECTIVES: (1) TO DETERMINE THE DISTANCE AN ARROW WILL TRAVEL IF SHOT INTO THE AIR; (2) TO INTRODUCE AND FAMILIARIZE PUPILS WITH THE METRIC SYSTEM; AND (3) TO REACH SOME OBJECTIVES LAID OUT IN THE CURRICULUM REVISION GUIDES IN MATHEMATICS AND SCIENCE--TO STIMULATE CRITICAL THINKING, TO DEVELOP A PROCESS OF SEEKING ANSWERS, AND TO DEVELOP ABILITY AND SKILLS IN 20 OBJECTIVES, SUCH AS OBSERVING CAREFULLY AND COLLECTING AND ORGANIZING DATA. THE METHOD OF APPROACH INVOLVES 3 LESSONS: (1) SHOOT ARROWS AT 30 DEGREES, USING THE METRIC SYSTEM AS A MEANS OF MEASUREMENT; (2) VARY THE DRAW AND MEASURE DISTANCES AND ANGLES AFTER FIRING ARROWS WITH 20, 30, 40, AND 50 CM. DRAWS; AND (3) GRAPHING DRAW DISTANCE TO PREDICT THAT, IN ALL LIKELIHOOD, WITH A 35 CM. PULL THE ARROWS WOULD HAVE AN ANGLE OF IMPACT RANGING BETWEEN 30-40 DEGREES. (FF)

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ACCESSION NUMBER: ED085150

PUBLICATION DATE: 72

TITLE: VOYAGEURS '72; AN ADVENTURE PROGRAM FOR EIGHTH GRADE PUPILS. AN INDEPENDENT STUDY.

PERSONAL AUTHOR: SAVOY, GORDON H.

DESCRIPTOR: ADOLESCENTS; CLASS ACTIVITIES; *ECOLOGY; *ENVIRONMENTAL EDUCATION; EXPERIMENTAL GROUPS; *GRADE 8; GROUP UNITY; *OUTDOOR EDUCATION; *YOUTH PROGRAMS

DESCRIPTIVE NOTE: 50P.; AVAILABLE IN MICROFICHE ONLY DUE TO MARGINAL LEGIBILITY OF ORIGINAL DOCUMENT

THE STUDY ATTEMPTED TO AID 8TH GRADE STUDENTS WITH AN AWARENESS AND APPRECIATION OF THEIR ENVIRONMENT. A TOTAL OF 30 VOLUNTEERS, 7 GIRLS AND 25 BOYS, WERE USED. AGES RANGED FROM 12-15 AND THE VOLUNTEERS WERE A RANDOM SAMPLING OF THE POPULATION. ORIENTATION AND EVALUATION SESSIONS WERE HELD THE DAY BEFORE AND AFTER EACH EXERCISE. OBJECTIVE AND SELF EVALUATION OF THE INDIVIDUAL'S AND GROUP'S REACTIONS TO PROBLEMS AND STRESS HELPED DETERMINE THE EFFECTIVENESS OF THE PROGRAM. SOME CONCLUSIONS WERE: (1) BRIGADES WERE FORCED TO WORK TOGETHER AS A TEAM OR SUFFER DISCOMFORT; (2) INDIVIDUALS LEARNED TO OVERCOME SOME NATURAL OBSTACLES: EXTREME COLD, SLUSH, WINDS, HILLY TERRAIN, HEAVY UNDERBRUSH; (3) PARTICIPANTS WERE EXTENDED IN COVERING THE PROPOSED ROUTE IN THE ALLOTED TIME. TEN RECOMMENDATIONS WERE LISTED, SUCH AS (1) THE PROGRAM IS SUCCESSFUL IN STRENGTHENING INDIVIDUAL CHARACTER AND (2) THE PROGRAM SHOULD BE RUN IN 4 PHASES FOR THE 1972-73 SCHOOL YEAR TO ACCOMMODATE ALL GRADE 8 PUPILS THAT WISH TO BE INVOLVED. (FF)

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ACCESSION NUMBER: ED085198

PUBLICATION DATE: 71

TITLE: GO LOOK AND SEE RESOURCE GUIDE FOR THE OLEAN PUBLIC SCHOOL SYSTEM, GRADES K THROUGH 12.

PERSONAL AUTHOR: NASH, WILFRID JOSEPH, JR.

DESCRIPTOR: *CURRICULUM ENRICHMENT; ELEMENTARY GRADES; *FIELD TRIPS; *INSTRUCTIONAL INNOVATION; *OUTDOOR EDUCATION; RECORDS (FORMS); *RESOURCE GUIDES; SECONDARY GRADES

IDENTIFIER: *NEW YORK; OLEAN

DESCRIPTIVE NOTE: 102P.; MASTER'S THESIS, ST. BONAVENTURE UNIVERSITY, ST. BONAVENTURE, NEW YORK

POLICIES AND PROCEDURES FOR FIELD TRIPS ARE IN THIS RESOURCE GUIDE. THE HANDBOOK IS DIVIDED INTO 2 MAJOR SECTIONS: SITES FOR TRIPS BY ELEMENTARY SCHOOL CLASSES AND SITES FOR SECONDARY CLASSES. ELEMENTARY CLASS SITES ARE CLASSIFIED BY RESOURCE AND INCLUDE AGRICULTURE, ARTS, CONSERVATION, EDUCATIONAL GUIDANCE, FOOD PROCESSING, HISTORICAL MUSEUMS AND SITES, HOME FURNISHING, MANUFACTURING, MINING AND QUARRYING, RECREATION, COMMUNICATION AND UTILITIES SERVICES, CONSUMER SERVICES, AND PUBLIC SERVICES. WITHIN EACH CATEGORY, SITES ARE LISTED ALPHABETICALLY. IN THE SECONDARY SECTION, SITES ARE CLASSIFIED BY SUBJECT AREA AND INCLUDE THOSE RELATED TO ART, BUSINESS, ENGLISH, FOREIGN LANGUAGES, HISTORY AND SOCIAL STUDIES, HOMEMAKING, MATHEMATICS, MUSIC, AND SCIENCE. MAJOR TOPICS COVERED BY THE GUIDE INCLUDE THE PHILOSOPHY OF FIELD TRIPS, GENERAL OBJECTIVES, TEACHER PLANNING, AND RULES AND REGULATIONS GOVERNING FIELD TRIPS. ALSO INCLUDED ARE COPIES OF FORMS USED BY THE OLEAN (NEW YORK) PUBLIC SCHOOL SYSTEM. (PS)

AVAILABILITY: WILFRID NASH, OLEAN PUBLIC SCHOOLS, OLEAN, N.Y. 14760

HC not available from EDRS

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ACCESSION NUMBER: ED085163

TITLE: OUTDOOR RECREATION ACTIVITIES AT CISPUS.

DESCRIPTOR: COURSE DESCRIPTIONS; *CURRICULUM DESIGN; EDUCATIONAL EQUIPMENT; HIGH SCHOOLS; JUNIOR HIGH SCHOOLS; LUMBER INDUSTRY; *OUTDOOR EDUCATION; PHYSICAL ACTIVITIES; *PHYSICAL DEVELOPMENT; *RECREATIONAL ACTIVITIES; *SCHOOL RECREATIONAL PROGRAMS; STUDENT CENTERED CURRICULUM; TEACHING GUIDES

DESCRIPTIVE NOTE: 16P.

MOST OF THE ACTIVITIES IN THIS BOOKLET HAVE BEEN DEVELOPED AROUND SKILLS RELATED TO THE OUTDOORS AND, IN PARTICULAR, TO THE LOGGING INDUSTRY AND FOREST FIRE FIGHTING. THE ACTIVITIES ATTEMPT TO DEVELOP MUSCLES, COORDINATION SKILLS, AND TEAMWORK. THEY ALSO GIVE THE STUDENTS (JUNIOR HIGH SCHOOL OR HIGH SCHOOL) AND STAFF THE OPPORTUNITY TO DO SOMETHING THAT THEY HAVE ONLY READ ABOUT, WATCHED ON T.V., OR HEARD ABOUT. IT PUTS THE STUDENT IN THE ROLE OF LOGGER OR FOREST FIRE FIGHTER. THESE ACTIVITIES ARE ONLY SUGGESTED. THERE ARE LISTS OF NEEDED EQUIPMENT IN EACH OF THE ACTIVITY SHEETS. VARIOUS TYPES OF EQUIPMENT COMPANIES WHERE THEY CAN BE OBTAINED, AND APPROXIMATE PRICES ARE ALSO LISTED. (FF)

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ACCESSION NUMBER: ED085850

PUBLICATION DATE: DEC 73

TITLE: ENVIRONMENTAL EDUCATION CENTER.

DESCRIPTOR: CAMPING; ELEMENTARY SCHOOL STUDENTS; *ENVIRONMENTAL EDUCATION; HIGH SCHOOL STUDENTS; LAND USE; LEARNING EXPERIENCE; *LEARNING LABORATORIES; MASTER PLANS; *OUTDOOR EDUCATION; *PLANNING (FACILITIES); *SITE ANALYSIS

IDENTIFIER: *EXPERIENTIAL LEARNING; LANSING SCHOOL DISTRICT; SCIENCE AND ENVIRONMENTAL EDUCATION; SEE

DESCRIPTIVE NOTE: 31P.

PUBLIC AWARENESS AND CONCERN FOR OUR NATURAL ENVIRONMENT HAVE RAPIDLY INCREASED. WITH NEW DEMANDS FOR KNOWLEDGE AND ACTION CONCERNING ALL ASPECTS OF ENVIRONMENTAL QUALITY, SCHOOLS HAVE BEGUN TO INCORPORATE INTO THEIR CURRICULUMS NEW PROGRAMS EMPHASIZING ENVIRONMENTAL AWARENESS AND APPRECIATION AT ALL AGE LEVELS. TO BRING STUDENTS INTO FURTHER CONTACT WITH THE OUTDOOR ENVIRONMENT AND TO EXPAND THEIR PROGRAMS BEYOND THE CLASSROOM, THE LANSING SCHOOL DISTRICT WILL PROVIDE A NEW OUTDOOR LEARNING CENTER TO FACILITATE THESE NEW ENVIRONMENTAL PROGRAMS. THIS BROCHURE IS A RESEARCH STUDY INTO THE COMPREHENSIVE PLANNING, PROGRAMING, AND DEVELOPMENT OF THE CENTER. (SKETCHES MAY PHOTOGRAPH POORLY.) (AUTHOR/MLF)

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ACCESSION NUMBER: ED086397

PUBLICATION DATE: AUG 72

TITLE: OUTDOOR EDUCATION ACTIVITIES FOR THE SCHOOL CURRICULUM, 1972.

DESCRIPTOR: ART ACTIVITIES; *CURRICULUM DEVELOPMENT; ECOLOGY; ELEMENTARY SCHOOLS; HEALTH EDUCATION; HIGH SCHOOLS; LANGUAGE ARTS; *LEARNING ACTIVITIES; MATHEMATICS; MIDDLE SCHOOLS; MUSIC; *OUTDOOR EDUCATION; PHYSICAL EDUCATION; *RESOURCE MATERIALS; SENSORY EXPERIENCE; SOCIAL STUDIES; *TEACHER EDUCATION; WATER RESOURCES

DESCRIPTIVE NOTE: 110P.; GRADUATE REPORTS FROM EDUCATION 515, "OUTDOOR EDUCATION: PROGRAM PLANNING FOR THE CLASSROOM TEACHER"

THE BASIC RESOURCE MATERIALS IN THIS DOCUMENT REPRESENT THE COOPERATIVE EFFORTS OF GRADUATE STUDENTS ENROLLED IN A 2-WEEK FIELD LEARNING CLASS AT THE STATE UNIVERSITY OF NEW YORK, PLATTSBURGH. THESE REPORTS ARE AN INITIAL ATTEMPT TO ACQUAINT TEACHERS WITH THE MANY ACTIVITIES AVAILABLE TO ENRICH THE CURRICULUM THROUGH THE OUTDOOR EDUCATION METHODS. REPORT TITLES ARE: ART IN NATURE; HEALTH EDUCATION THROUGH THE OUT OF DOORS; LANGUAGE ARTS IN THE OUT DOORS; MATHEMATICS IN THE OUT OF DOORS; MUSIC IN THE OUT OF DOORS; OUTDOOR EDUCATION FOR THE MIDDLE SCHOOL YEARS; PHYSICAL EDUCATION IN THE OUT OF DOORS; SENSORY AWARENESS THROUGH OUTDOOR EDUCATION; LEARNING SCIENCE IN THE OUT OF DOORS, K-4; HIGH SCHOOL SCIENCE IN THE OUT OF DOORS; SCHOOL SITE UTILIZATION; SOCIAL STUDIES IN THE OUT OF DOORS; AND WATER AND ITS IMPORTANCE IN THE ECOLOGICAL SYSTEMS OF THE WORLD. (KM)

ACCESSION NUMBER: ED086398

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PUBLICATION DATE: 73

TITLE: A GUIDE FOR TEACHING IN AND FROM AN URBAN SCHOOL ENVIRONMENT, 1973.

DESCRIPTOR: ART; CLASSROOM MATERIALS; *CURRICULUM DEVELOPMENT; GRADUATE STUDENTS; HEALTH; LANGUAGE ARTS; MATHEMATICS; MUSIC; NATURAL RESOURCES; *OUTDOOR EDUCATION; *RESOURCE MATERIALS; SENSORY EXPERIENCE; SOCIAL STUDIES; *STUDENT DEVELOPED MATERIALS; *URBAN ENVIRONMENT

DESCRIPTIVE NOTE: 75P.; GRADUATE REPORTS FROM EDUCATION 515, "OUTDOOR EDUCATION PROGRAM PLANNING FOR THE CLASSROOM TEACHER"

THE RESOURCE MATERIALS REPRESENT THE COOPERATIVE EFFORTS OF GRADUATE STUDENTS ENROLLED IN A 2-WEEK FIELD LEARNING CLASS. THE SPECIFIC OBJECTIVE OF THE REPORTS WAS TO CONSIDER THE WAYS URBAN RESOURCES CAN BE USED IN OUTDOOR EDUCATION TEACHING IN AND FROM A "CITY" ENVIRONMENT. THE INDIVIDUAL REPORTS ARE: ATHLETIC FIELD; COMMUNITY SIGNS; CURBS AND GUTTERS; FENCES; HIGHWAY AND TRAFFIC; PARKING LOT; PLANTINGS; POND; SCHOOL BUILDINGS; SCHOOL GROUNDS; SIDEWALKS; STREAMS; TREE; VACANT LOT; WINDOW (IN AND OUT); AND WINDOW BOX. EACH REPORT GIVES ACTIVITIES FOR TEACHING AREAS, SUCH AS LANGUAGE ARTS, SOCIAL STUDIES, MATHEMATICS, SCIENCE, MUSIC, HEALTH, AND PHYSICAL EDUCATION. (KM)

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ACCESSION NUMBER: ED086413

TITLE: TEENS MAKE THE ENVIRONMENTAL SCENE. TAFT CAMPUS OCCASIONAL PAPER NO. VI.

PERSONAL AUTHOR: VOGL, ROBERT; VOGL, SONIA

DESCRIPTOR: *AUDIOVISUAL COMMUNICATION; CLASS ACTIVITIES; *CURRICULUM GUIDES; ENVIRONMENTAL EDUCATION; *FILM PRODUCTION; *GROUP ACTIVITIES; HIGH SCHOOL CURRICULUM; *OUTDOOR EDUCATION; TEENAGERS

DESCRIPTIVE NOTE: 10P.; NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF ORIGINAL DOCUMENT

FILMS USED AS A FORCE IN CREATING PUBLIC AWARENESS OF LOCAL ENVIRONMENTAL PROBLEMS WERE DISCUSSED IN THIS OCCASIONAL PAPER. TEENAGERS ACTIVE IN AN ENVIRONMENTAL STUDIES SUMMER PROGRAM AT GILL SCHOOL, BERNARDSVILLE, NEW JERSEY, REALIZED THAT FILMS EFFECTIVELY INFORMED FELLOW CITIZENS OF SUCH PROBLEMS. THEY PRODUCED 8MM FILMS PORTRAYING POLLUTION WITHIN THE HOME, SOIL EROSION, RIVER POLLUTION, AND THE NEED FOR OPEN SPACE PRESERVATION. THIS PAPER PRESENTED SUGGESTIONS TO HELP COMMUNITIES SOLVE COMMUNICATIONS PROBLEMS ON ENVIRONMENTAL MATTERS. APPENDIX 1 LISTED FILM EQUIPMENT AND APPENDIX 2 BASIC STEPS FOR PRODUCING GOOD FILM. (EE)

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ACCESSION NUMBER: ED086437

PUBLICATION DATE: 74

TITLE: OUTDOOR EDUCATION EQUIPMENT: PLANS FOR EASY-TO-MAKE ITEMS.

PERSONAL AUTHOR: BACHERT, RUSSEL E., JR.; SNOOKS, EMERSON L.

DESCRIPTOR: ANIMAL SCIENCE; CLIMATIC FACTORS; FACILITIES; *FACILITY UTILIZATION RESEARCH; INNOVATION; *INSTRUCTIONAL MATERIALS; *MATERIAL DEVELOPMENT; MATHEMATICS; *OUTDOOR EDUCATION; RESEARCH; SCIENCE EQUIPMENT; SOIL SCIENCE; *STUDENT PROJECTS; WATER RESOURCES

DESCRIPTIVE NOTE: 204P.

THE DOCUMENT IS A VERSATILE PUBLICATION PROVIDING AN OUTDOOR EDUCATION AID FOR TEACHING ELEMENTARY (BEGINNING WITH GRADE 4), HIGH SCHOOL, AND COLLEGE STUDENTS. THE PROCESS IS ONE OF LEARNING BY DOING; I.E., THE STUDENTS CONSTRUCT THEIR OWN INSTRUMENTS FOR FIELD STUDIES. THE BOOK PRESENTS OVER 100 IDEAS IN AN EASY-TO-FOLLOW, EASY-TO-USE FORMAT. EACH PIECE OF EQUIPMENT IS ILLUSTRATED WITH A DETAILED LINE DRAWING AND IS ACCOMPANIED BY AN EXPLANATION THAT INCLUDES THE INSTRUMENT'S PURPOSE, MATERIALS NEEDED FOR CONSTRUCTION, PROCEDURE FOR BUILDING, AND QUESTIONS TO STIMULATE DISCUSSION ABOUT ITS USE. IN SEVERAL INSTANCES, THERE ARE 2 OR 3 SETS OF PLANS FOR A GIVEN ITEM TO ALLOW FOR EXPERIMENTATION TO FIT INDIVIDUAL NEEDS. CHAPTER HEADINGS INCLUDE: ANIMAL LIFE; MATH; WATER; WEATHER; AND SOIL. THE MISCELLANEOUS SECTION COVERS SUCH THINGS AS SUNDIALS AND A MAPLE SYRUP COLLECTOR. THE INTENDED AUDIENCE IS EDUCATORS, NATURALISTS, STUDENTS, COLLEGE INSTRUCTORS, ECOLOGISTS AND YOUNG SCIENTISTS. (KM)

AVAILABILITY: THE INTERSTATE PRINTERS & PUBLISHERS, INC., 19-27 NORTH JACKSON ST., DANVILLE, ILL. 61832 ($7.95 LESS EDUCATIONAL DISCOUNTS)

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ACCESSION NUMBER: ED087096

PUBLICATION DATE: NOV 73

TITLE: SCHOOL SITE DECISIONS AND DOLLARS.

PERSONAL AUTHOR: GRUBE, KARL W.

DESCRIPTOR: BIBLIOGRAPHIES; *BOARD OF EDUCATION POLICY; ECONOMIC FACTORS; ELEMENTARY SCHOOLS; HOUSING PATTERNS; *LAND USE; OUTDOOR EDUCATION; POPULATION DISTRIBUTION; PROPERTY TAXES; RESOURCE ALLOCATIONS; *SCHOOL COMMUNITY RELATIONSHIP; SCHOOL LOCATION; SCHOOL PLANNING; SECONDARY SCHOOLS; SITE ANALYSIS; *SITE DEVELOPMENT; *SITE SELECTION; SPACE UTILIZATION

IDENTIFIER: *OPEN SPACES

DESCRIPTIVE NOTE: 84P.; A RELATED DOCUMENT IS EA 005 790

THREE PAPERS, EACH WITH AN EXTENSIVE BIBLIOGRAPHY, ADVANCE ARGUMENTS CONCERNING (1) THE SCHOOL SITE AS A PUBLIC LAND RESOURCE, (2) SCHOOL BOARD POLICY AS RELATED TO ECONOMIC ALTERNATIVES FOR OPEN SPACE SCHOOL SITE PLANNING, AND (3) THE ESTABLISHMENT OF OUTDOOR CLASSROOMS ON SCHOOL SITES AS PUBLIC POLICY. IN THE FIRST PAPER, THE AUTHOR CONTENDS THAT SCHOOL OFFICIALS SHOULD DEVELOP AND IMPLEMENT COMPREHENSIVE PUBLIC LAND USE POLICIES APPLICABLE TO THE ENHANCEMENT OF THE PUBLIC SCHOOL SITE, PUBLIC POLICIES THAT COULD INSURE THE ENVIRONMENTAL QUALITY OF COMMUNITY-OWNED SCHOOL SITES AND A LAND RESOURCE RIGHTFULLY BELONGING TO FUTURE GENERATIONS. IN THE SECOND PAPER, THE AUTHOR STATES THAT SOLUTIONS TO ENVIRONMENTAL PROBLEMS OF LAND DEVELOPMENT AND UTILIZATION COULD AND SHOULD BE FORMULATED BY ELECTED PUBLIC OFFICIALS SUCH AS SCHOOL BOARD MEMBERS, WITH THE LAND SIZE OF THE PUBLIC SCHOOL SITE, ITS DEGREE OF DEVELOPMENT, AND THE NATURAL AND MAN MADE AMENITIES CONTRIBUTING SIGNIFICANTLY TO THE FORMATION OF CITIZEN ATTITUDES. IN THE THIRD PAPER, THE AUTHOR ARGUES THAT LEARNING OPPORTUNITIES FOR K-12 PUPILS COULD BEST BE ACCOMPLISHED THROUGH THE DESIGN, DEVELOPMENT, AND IMPLEMENTATION OF AN OUTDOOR CLASSROOM ON THE SCHOOL SITE. HE OFFERS AN OUTDOOR CLASSROOM PUBLIC SITE POLICY TO SCHOOL OFFICIALS AS A MODEL FOR IMPLEMENTATION, IN PART, OF A STATE MASTERPLAN FOR ENVIRONMENTAL EDUCATION FOR ELEMENTARY AND SECONDARY EDUCATION. (AUTHOR/MLF)

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ACCESSION NUMBER: ED087171

PUBLICATION DATE: 18 JUL 72

TITLE: NATURE TRAILS, BRAILLE TRAILS, FOOT PATHS, FRAGRANCE GARDENS, TOUCH MUSEUMS FOR THE BLIND; POLICY STATEMENT.

DESCRIPTOR: *BLIND; *EXCEPTIONAL CHILD SERVICES; *NORMALIZATION (HANDICAPPED); *OUTDOOR EDUCATION; *PUBLIC POLICY; RECREATION; VISUALLY HANDICAPPED

IDENTIFIER: *AMERICAN FOUNDATION FOR THE BLIND

DESCRIPTIVE NOTE: 2P.

THE POLICY STATEMENT BY THE AMERICAN FOUNDATION FOR THE BLIND DEALS WITH NATURE TRAILS, BRAILLE TRAILS, FOOT PATHS, FRAGRANCE GARDENS, AND TOUCH MUSEUMS FOR THE BLIND. IT IS STATED THAT THE FOUNDATION APPROVES OF SERVICES SUCH AS PROVISION OF TAPE RECORDED GUIDES AND PLANTING OF FRAGRANT SHRUBS WHICH WOULD BENEFIT ALL USERS WHILE RECOGNIZING SPECIAL NEEDS OF BLIND OR VISUALLY IMPAIRED PERSONS. ADDITIONALLY, IT IS STATED THAT THE FOUNDATION DISAPPROVES OF ANY ACTIVITIES SUCH AS SPECIAL TRAILS FOR THE BLIND WHICH PERPETUATE MISCONCEPTIONS AND STEREOTYPED THINKING AND TEND TO SET BLIND PEOPLE APART FROM THE REST OF THE COMMUNITY. (DB)

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ACCESSION NUMBER: ED087192

PUBLICATION DATE: 74

TITLE: LAC DU BOIS (LAKE OF THE WOODS): LEVEL III.

DESCRIPTOR: ATHLETICS; CAMPING; *CONVERSATIONAL LANGUAGE COURSES; *FRENCH; LANGUAGE DEVELOPMENT; LANGUAGE INSTRUCTION; LANGUAGE PROGRAMS; MODERN LANGUAGE CURRICULUM; MUSIC; ORAL COMMUNICATION; *OUTDOOR EDUCATION; RECREATIONAL ACTIVITIES; *SECOND LANGUAGE LEARNING; SECOND LANGUAGES; SUMMER PROGRAMS; *TEXTBOOKS

DESCRIPTIVE NOTE: 21P.

THIS TEXTBOOK FOR THIRD LEVEL FRENCH WAS DESIGNED FOR USE AT A SUMMER LANGUAGE CAMP. ITS VARIOUS SELECTIONS OF NARRATIVES, CONVERSATIONS, AND SONGS ARE MEANT TO SERVE AS A SPRINGBOARD TO DIRECT CLASSROOM CONVERSATION. AMONG THE TOPICS DISCUSSED ARE CAMPING, VACATIONS, SPORTS, MUSIC, NATURE, AND FRENCH SINGERS. (SK)

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ACCESSION NUMBER: ED087576

PUBLICATION DATE: 74

TITLE: ORIENTEERING IN CAMPING.

PERSONAL AUTHOR: LARSON, ELSTON F.

DESCRIPTOR: *CAMPING; CURRICULUM GUIDES; *EDUCATIONAL GAMES; ELEMENTARY SCHOOL CURRICULUM; *INSTRUCTIONAL MATERIALS; INSTRUCTIONAL PROGRAMS; MAP SKILLS; *OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS; PROGRAM DEVELOPMENT; RECREATIONAL ACTIVITIES; TEACHER EDUCATION CURRICULUM; VISUAL AIDS

DESCRIPTIVE NOTE: 8P.

ONE OF THE RECENT DEVELOPMENTS IN CAMPING IS "ORIENTEERING", A PROGRAM USING A MAP AND COMPASS. ORIENTEERING CAN BE DOVETAILED INTO AN OVERALL CAMPING PROGRAM AND USED TO "POINT UP" THE ENTIRE PROGRAM, OR IT CAN BE CONFINED TO A SINGLE SIMPLE GAME. THE ARRANGEMENT DEPENDS ON THE SITUATION. THE MINIMUM AGE OF THE PARTICIPANTS SHOULD BE ABOUT 9 OR 10. THE IDEAL SIZE GROUP TO INSTRUCT AT ONE TIME IS 20. THE FOLLOWING PROGRAM SUGGESTIONS ARE BASED ON AN ARRANGEMENT THAT HAS BEEN USED UNDER A VARIETY OF CONDITIONS: DIVIDE PROGRAM INTO 3 MAIN PARTS--(1) PRELIMINARY INSTRUCTION TO TEACH THE SIMPLE USE OF A COMPASS; (2) COMPASS GAMES; AND (3) POINTING UP THE GENERAL PROGRAM--THAT IS, A COMPASS HIKE COMBINING VARIOUS OUTDOOR SKILLS INTO A UNIFIED ADVENTURE. THERE ARE NO REAL LIMITATIONS REGARDING THE AREA TO BE USED. A SMALL BACK YARD OR EVEN INDOOR ROOMS ARE USABLE. INSTRUCTIONS ARE ALSO GIVEN FOR HOW TO TEACH THE SILVA COMPASS, HOW TO MEASURE DISTANCE WITH A COMPASS AND HOW TO ORGANIZE A HIKE. (FF)

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ACCESSION NUMBER: ED087577

PUBLICATION DATE: 74

TITLE: ELEMENTARY MAP AND COMPASS INSTRUCTION.

PERSONAL AUTHOR: LARSON, ELSTON F.

DESCRIPTOR: CAMPING; *CURRICULUM GUIDES; EDUCATIONAL GAMES; INSTRUCTIONAL MATERIALS; *INSTRUCTIONAL PROGRAMS; *OUTDOOR EDUCATION; PROGRAM DESCRIPTIONS; *RECREATIONAL ACTIVITIES; *TEACHER EDUCATION CURRICULUM; VISUAL AIDS

DESCRIPTIVE NOTE: 15P.

THE PURPOSE OF THIS BOOKLET IS TO HELP TEACHERS, SCOUTMASTERS, AND OTHER GROUP LEADERS GIVE ELEMENTARY MAP AND COMPASS INSTRUCTIONS IN A MANNER THAT IS BOTH SIMPLE AND FUN. IT IS INTENDED TO BE A GUIDE FOR A TRAINING COURSE ON THIS SUBJECT. MUCH OF THE TEXT IS TAKEN DIRECTLY FROM AN ACTUAL TRAINING COURSE AND IS WRITTEN IN THE MANNER OF A TEACHER TALKING TO HIS STUDENTS. THE TEACHER, THEREFORE, CAN GIVE A PART OF HIS PRESENTATION BY READING DIRECTLY FROM THIS GUIDE. NECESSARY MATERIALS AND A SETUP OF THE INSTRUCTION AREA ARE GIVEN. THE INSTRUCTOR'S PRESENTATION INCLUDES: THE MAP; THE COMPASS; DIRECTIONS; ORIENTING A COMPASS; MEASUREMENT; COMPETITIVE COMPASS GAME; COMBINING USE OF MAP, COMPASS AND MEASUREMENTS; METHOD OF GETTING THE COMPASS DEGREE READING FROM THE MAP; AND PRACTICE COURSE USING MAP AND COMPASS. (EE/KM)

ACCESSION NUMBER: ED087582

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PUBLICATION DATE: FEB 74

TITLE: OUTDOOR EDUCATION, A SELECTED BIBLIOGRAPHY (WITH ERIC ABSTRACTS). ERIC/CRESS SUPPLEMENT NO. 3.

DESCRIPTOR: ABSTRACTS; *ANNOTATED BIBLIOGRAPHIES; CAMPING; *CONSERVATION EDUCATION; ECOLOGY; *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS; *NATURAL RESOURCES; *OUTDOOR EDUCATION; RECREATIONAL ACTIVITIES; RECREATIONAL FACILITIES; SCIENCE ACTIVITIES; TRAILS

DESCRIPTIVE NOTE: 136P.; RELATED DOCUMENTS ARE ED037285, ED055702, ED073903

THE 4TH IN A SERIES OF BIBLIOGRAPHIES ON OUTDOOR EDUCATION, THIS DOCUMENT LISTS APPROXIMATELY 84 DOCUMENTS AND 60 JOURNAL ARTICLES. PART I CONTAINS CITATIONS AND ABSTRACTS WHICH APPEARED IN "RESEARCH IN EDUCATION" FROM 1964 TO 1973. PART II LISTS JOURNAL CITATIONS AND ANNOTATIONS LISTED IN THE "CURRENT INDEX TO JOURNALS IN EDUCATION" FROM FALL/WINTER 1971 TO JUNE 1973. IN ADDITION TO OUTDOOR EDUCATION, THE DOCUMENT ALSO CONTAINS REFERENCES FOR CONSERVATION, RECREATION, SCIENCE, ECOLOGY, AND NATURAL RESOURCES. TYPES OF MATERIALS INCLUDE RESEARCH REPORTS, PROGRAM DESCRIPTIONS, INSTRUCTIONAL MATERIALS, AND TEACHING GUIDES. A SUBJECT INDEX IS GIVEN AT THE END OF THE PUBLICTION. (KM)

AVAILABILITY: NATIONAL EDUCATIONAL LABORATORY PUBLISHERS, INC., 813 AIRPORT BOULEVARD, AUSTIN, TEX. 78702 (STOCK NO. #C-007; $5.00)

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ACCESSION NUMBER: ED087610

TITLE: PRIMARY AND INITIAL EXPERIENCES IN OUTDOOR ENVIRONMENTS. IT'S CLOSE AND SINGLE.

PERSONAL AUTHOR: BROOKS, B. WAYNE

DESCRIPTOR: CONSERVATION EDUCATION; *EDUCATIONAL NEEDS; ENVIRONMENT; FACILITIES; *LEARNING ACTIVITIES; *NATURAL RESOURCES; *OUTDOOR EDUCATION; *RESOURCE UNITS; SCIENCE ACTIVITIES; SENSORY EXPERIENCE; SITE DEVELOPMENT

IDENTIFIER: CANADA

DESCRIPTIVE NOTE: 33P.

ONE MAJOR INTENT OF LEARNING IN THE OUTDOORS IS TO INTEGRATE INTELLECTUAL AND EMOTIONAL UNDERSTANDING. IN THIS LIGHT, THE OUTDOOR EDUCATION ACTIVITIES SUGGESTED IN THIS DOCUMENT MAY BE ARTIFICIAL UNLESS THEY ARE INCORPORATED WITHIN THE CHILD'S DISCOVERY OF HIS ROLE IN THE TOTAL, NATURAL SCHEME OF THINGS. THE INTRODUCTORY SECTION OF THE DOCUMENT EXPLAINS THE IMPORTANCE OF DEVELOPING AN ADEQUATE SCHOOL SITE WHICH USES NATURAL RESOURCES. SECTION A LISTS 6 SIMPLE ACTIVITIES, COVERING SUCH AREAS AS SOUND, TOUCH, AND TEMPERATURE. SECTION B EXPLAINS SCAVENGER HUNTS; SECTION C, TRAIL-TYPE ACTIVITIES. NEARBY OUTDOOR ACTIVITIES ARE GIVEN IN SECTION D, WITH CONCEPTS, PROBLEMS, AND LONG RANGE STUDIES FOR EACH. SECTION E LISTS 36 ADDITIONAL OUTDOOR ACTIVITIES. REFERENCE AND LIBRARY BOOKS COMPRISE SECTION F. (KM)

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ACCESSION NUMBER: ED087611

PUBLICATION DATE: 74

TITLE: SOME ASSISTANCE WITH WINTER ACTIVITIES AND RESOURCES FOR THE OUTDOORS. 3RD EDITION, 1973-74.

PERSONAL AUTHOR: BROOKS, R. WAYNE

DESCRIPTOR: ANIMAL SCIENCE; ATHLETIC ACTIVITIES; CLIMATIC FACTORS; *EDUCATIONAL RESOURCES; *ENVIRONMENTAL INFLUENCES; FIELD TRIPS; *NATURAL RESOURCES; *OUTDOOR EDUCATION; PLANT SCIENCE; RECREATION

IDENTIFIER: CANADA; WINTER ACTIVITIES

DESCRIPTIVE NOTE: 10P.

THE BOOKLET DISCUSSES WINTER OUTDOOR EDUCATION IN CANADA. THE FIRST SECTION EXPLAINS HOW TO USE SNOWSHOES, FOLLOWED BY THE USE OF THE THEMATIC APPROACH WITH WINTER AND SNOW. THE THEMATIC APPROACH TO SNOWMOBILING GIVES BOTH THE PROS AND CONS, AND THE OUTWARD SPIRALING EFFECT OF THE POPULAR SPORT. IN DISCUSSING A WINTER FIELD TRIP, ACTIVITIES ARE SUGGESTED FOR OBSERVING ANIMALS, PLANTS, WEATHER, MOISTURE (WATER, ICE, AND SNOW), AND THE SKY. THE FINAL SECTION GIVES RESOURCES FOR WINTER STUDIES. (KM)

ACCESSION NUMBER: ED087658

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PUBLICATION DATE: APR 73

TITLE: OUTWARD BOUND APPROACHES TO ALTERNATIVE SCHOOLING. A PRELIMINARY PAPER.

PERSONAL AUTHOR: NOLD, JOSEPH J.

DESCRIPTOR: AFFECTIVE OBJECTIVES; *ALTERNATIVE SCHOOLS; CAMPING; *EDUCATIONAL EXPERIMENTS; EDUCATIONAL OPPORTUNITIES; ENRICHMENT EXPERIENCE; EXPERIMENTAL PROGRAMS; FIELD EXPERIENCE PROGRAMS; HUMANIZATION; HUMAN RELATIONS; *HUMAN RELATIONS PROGRAMS; INTERGROUP RELATIONS; *OUTDOOR EDUCATION; PHYSICAL EDUCATION; PROGRAM DESCRIPTIONS; *SELF CONCEPT

DESCRIPTIVE NOTE: 30P.

OUTWARD BOUND IS AN EDUCATIONAL EXPERIENCE OF SELF-DISCOVERY THAT USES CHALLENGES FOUND IN A NATURAL SETTING AS THE TEACHING MEDIUM. PROGRAM ADAPTATIONS OF OUTWARD BOUND CONCEPTS AND METHODS FOR ALTERNATIVE EDUCATION FALL INTO FIVE CATEGORIES: 1) MOTIVATIONAL PROGRAMS, 2) HUMAN RELATIONS PROGRAMS WITHIN A SCHOOL, 3) ALTERNATIVES TO TRADITIONAL PHYSICAL EDUCATION, 4) CURRICULUM ENRICHMENT, AND 5) FACULTY DEVELOPMENT. SIX DESCRIPTIONS OF PROGRAMS IN NEW JERSEY, COLORADO, AND MASSACHUSETTS ILLUSTRATE THESE CATEGORIES. INCORPORATING OUTWARD BOUND IN SCHOOLING PROCESSES PLACES STRAINS UPON FINANCES, SCHOOL ADMINISTRATIONS, AND TEACHING FACULTIES; MOREOVER, ACTIVITIES ARE SOMETIMES DANGEROUS, REPRESENT A CONFLICTING EDUCATIONAL PHILOSOPHY, AND CAN CREATE AN EXCLUSIVE GROUP WITHIN A SCHOOL. DOCUMENTATION AND FOLLOW-UP RESEARCH OF PROGRAMS EXISTS BUT IS LIMITED; NEVERTHELESS IT IS CLEAR THAT SUCH PROGRAMS CAN REACH A WIDE CROSS SECTION OF STUDENTS IN A PERSONAL WAY, THAT FACULTY RESPOND WITH AS MUCH ENTHUSIASM AS STUDENTS, AND THAT BETTER COMMUNICATIONS AND HUMAN RELATIONS DEVELOP WHEN OUTWARD BOUND IS THE CATALYST BETWEEN DISPARATE GROUPS. ED 061 162 IS A RELATED DOCUMENT. (AUTHOR/JH)

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ACCESSION NUMBER: ED088629

PUBLICATION DATE: 74

TITLE: A MODEL FOR OUTDOOR EDUCATION.

PERSONAL AUTHOR: GATZKE, NED S.; STARKEY, JOHN D.

DESCRIPTOR: CURRICULUM DEVELOPMENT; *CURRICULUM RESEARCH; ELEMENTARY SCHOOL CURRICULUM; *ELEMENTARY SCHOOL TEACHERS; *MODELS; *OUTDOOR EDUCATION; PUBLIC SCHOOLS; *SCHOOL SURVEYS; TABLES (DATA)

DESCRIPTIVE NOTE: 32P.

THE PURPOSE OF THIS STUDY WAS TO DETERMINE THE EXTENT AND FUTURE OF OUTDOOR EDUCATION IN THE ELEMENTARY SCHOOLS OF JOINT SCHOOL DISTRICT NUMBER 1, PORT WASHINGTON, WISCONSIN, FROM THE 1971-72 SCHOOL YEAR TO THE PRESENT. A QUESTIONNAIRE WAS DISTRIBUTED TO ALL ELEMENTARY TEACHERS IN GRADES K-6, WITH THE EXCEPTION OF PHYSICAL EDUCATION TEACHERS. THE SURVEY GATHERED DATA ON WHEN STUDENTS WERE TAKEN OUT OF THE CLASSROOM FOR EDUCATIONAL EXPERIENCES, RESOURCE AREAS USED, RELATED CURRICULUM AREAS, REASONS FOR OUT-OF-DOOR ACTIVITIES, MATERIALS USED, FACTORS THAT DISCOURAGED OUTDOOR EDUCATION, AND TEACHER OPINIONS AS TO THE NEED FOR A SPECIALIST OR WORKSHOPS IN OUTDOOR EDUCATION. BECAUSE OF THE SMALL NUMBER OF TEACHERS IN THE SURVEY (44 OUT OF 66 RESPONDED) THERE WAS NOT A SIGNIFICANT DIFFERENCE BETWEEN THE NUMBER OF TEACHERS THAT HAD PARTICIPATED IN OUTDOOR EDUCATION AND THOSE THAT HAD NOT. THERE WERE 18 FINDINGS WHICH DETERMINED, FOR INSTANCE, THAT OUTDOOR EDUCATION EXPERIENCES WERE MOST FREQUENT IN GRADES K-4 AND THAT THE CURRICULAR AREAS MOST FREQUENTLY STRESSED WERE SCIENCE, SOCIAL STUDIES, HEALTH, AND SAFETY. THE 6 RECOMMENDATIONS GENERALLY COVERED RESOURCE AREAS, CURRICULUM, MATERIALS, TEACHER AIDS, WORKSHOPS, AND THE NEED FOR AN OUTDOOR EDUCATION SPECIALIST. (KM)

ACCESSION NUMBER: ED088636

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PUBLICATION DATE: 73

TITLE: RESEARCH IN OUTDOOR EDUCATION: (SUMMARIES OF DOCTORAL STUDIES).

PERSONAL AUTHOR: HAMMERMAN, DONALD R., COMP.; AND OTHERS

DESCRIPTOR: *ABSTRACTS; CAMPING; CONSERVATION EDUCATION; *DOCTORAL THESES; *ENVIRONMENTAL EDUCATION; HISTORICAL REVIEWS; LITERATURE REVIEWS; *OUTDOOR EDUCATION; PROGRAM DEVELOPMENT; RESEARCH; SUMMER PROGRAMS; *TEACHER EDUCATION; TRAILS

DESCRIPTIVE NOTE: 176P.

APPROXIMATELY 117 DOCTORAL STUDIES ON OUTDOOR EDUCATION WHICH WERE COMPLETED IN THE PAST 3 DECADES ARE PRESENTED. THE DOCUMENTS ARE AVAILABLE TO THE COUNCIL ON OUTDOOR EDUCATION AND CAMPING OF THE AMERICAN ASSOCIATION FOR HEALTH, PHYSICAL EDUCATION AND RECREATION FOR PUBLICATION AND DISTRIBUTION TO OUTDOOR EDUCATION LEADERS INTERESTED IN THE RESEARCH IN THE FIELD. THE SUMMARIZED DISSERTATIONS FALL GENERALLY INTO 5 MAJOR CATEGORIES: (1) PROPOSALS FOR NEW PROGRAM DEVELOPMENTS; (2) ORGANIZATION AND ADMINISTRATION; (3) HISTORICAL ANALYSIS; (4) TEACHER EDUCATION; AND (5) EVALUATION. THE SUMMARIES CONSIST OF A BRIEF STATEMENT OF THE PROBLEM, THE PROCEDURE FOLLOWED, AND A RESUME OF RESULTS AND CONCLUSIONS. THE UNIVERSITY (NORTHERN ILLINOIS, LORADO TAFT FIELD CAMPUS) MICROFILM ORDER NUMBER IS INCLUDED FOR THE INVESTIGATOR WHO WISHES TO OBTAIN THE COMPLETE STUDY. A LIBRARY SOURCE REFERENCE IS LISTED FOR SOME OF THE STUDIES NOT INCLUDED IN DISSERTATION ABSTRACTS. IT IS HOPED THAT THESE SUMMARIES WILL STIMULATE FURTHER RESEARCH AND THE GROWTH OF QUALITY PROGRAMS IN OUTDOOR EDUCATION IN EDUCATIONAL SYSTEMS. (FF)

AVAILABILITY: AMERICAN ASSOCIATION OF HEALTH, PHYSICAL EDICATION, AND RECREATION, 1201 SIXTEENTH ST., N.W., WASHINGTON, D.C. 20036 ($4.75)

HC not available from EDRS

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ACCESSION NUMBER: ED089899

PUBLICATION DATE: 74

TITLE: BAGGAGE TAGS FOR LEARNING OUT OF DOORS.

PERSONAL AUTHOR: ROLLER, LIB

DESCRIPTOR: AUDIOVISUAL AIDS; CLASSROOM GAMES; *CURRICULUM ENRICHMENT; ENVIRONMENTAL EDUCATION; INDIVIDUALIZED INSTRUCTION; LANGUAGE ARTS; MATHEMATICS; *MERCHANDISE INFORMATION; NATURAL SCIENCES; *OUTDOOR EDUCATION; SCIENCE EDUCATION; SIGNS; SOCIAL STUDIES; *TEACHER AIDES; TRAILS; *VISUAL LEARNING

DESCRIPTIVE NOTE: 33P.

THE MANUAL PROVIDES TEACHERS WITH NOT ONLY EDUCATIONAL OUTDOOR ACTIVITIES, BUT ALSO WITH ACTIVITIES THAT CAN BE PROVIDED ON AN INDIVIDUAL LEVEL. THE ONLY EQUIPMENT NEEDED FOR MOST OF THESE ACTIVITIES IS A BOUGHT OR HOMEMADE "BAGGAGE TAG". THESE TAGS ARE USED FOR A VARIETY OF PURPOSES SUCH AS PLANT AND ANIMAL IDENTIFICATION, NATURE QUIZ GAMES, AND ROCKHUNTS. ONE OF THE BEST ATTRIBUTES OF THIS METHOD IS THAT STUDENTS CAN MAKE UP THEIR OWN ACTIVITIES. IN ADDITION TO GENERAL LEARNING ACTIVITIES, THE BAGGAGE TAGS CAN BE USED AS A REVIEW OR TEST. SUGGESTED ACTIVITIES ARE GROUPED BY SUBJECT AREA AND LEVEL OF DIFFICULTY. THESE ARE ARBITRARY, HOWEVER, SINCE ANY OF THEM CAN BE GRADED UP OR DOWN TO SUIT THE STUDENTS INVOLVED. THERE ARE 25 ACTIVITIES GIVEN FOR SCIENCE; 15 FOR LANGUAGE ARTS; 10 FOR SOCIAL STUDIES; AND 10 FOR MATH. (KM)

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ACCESSION NUMBER: ED090733

PUBLICATION DATE: 73

TITLE: A SETTING FOR GROWTH. CARING FOR CHILDREN NO. 6.

PERSONAL AUTHOR: MURPHY, LOIS B.; LEEPER, ETHEL M.

DESCRIPTOR: BUILDING DESIGN; *CHILD CARE CENTERS; *DESIGN NEEDS; *EARLY CHILDHOOD EDUCATION; *EDUCATIONAL FACILITIES; ENVIRONMENTAL INFLUENCES; *EXCEPTIONAL CHILD EDUCATION; OUTDOOR EDUCATION

DESCRIPTIVE NOTE: 25P.; FOR OTHER BOOKLETS IN THE SERIES SEE EC 052 600-604 AND EC 061 826-829

DISCUSSED ARE ISSUES IN THE DEVELOPMENT OF A PHYSICAL SETTING FOR CHILD CARE FACILITIES TO ENCOURAGE THE PHYSICAL AND PSYCHOLOGICAL GROWTH OF PRESCHOOL CHILDREN. QUESTIONS TO BE CONSIDERED IN SELECTING A LOCATION ARE GIVEN TO INCLUDE AVAILABLE SPACE AND NEARNESS TO THE NEIGHBORHOOD BEING SERVED. ENCOURAGED IS CONSIDERATION OF MENTAL STIMULATION, CURRICULUM, AND BEHAVIOR MANAGEMENT IN PLANNING THE LEARNING ENVIRONMENT. PLANNING THE INDOOR SPACE IS SAID TO REQUIRE EVALUATION OF THE AMOUNT OF SPACE, SHAPE OF SPACE (WHETHER ONE LARGE OR SEVERAL SMALL ROOMS), ARRANGEMENT OF SPACE (CHILDREN NEED PRIVATE PLACES), MOVEMENT OF TRAFFIC, THE HOUSEKEEPING CORNER, THE BLOCK BUILDING AREA, THE READING NOOK, THE PAINTING SECTION, THE WATER PLAY AREA, THE KITCHEN, AND STORAGE. ASPECTS OF THE OUTDOOR AREA DISCUSSED INCLUDE NEED FOR A SPACE TO RUN, WAYS TO EFFICIENTLY USE WHATEVER SPACE IS AVAILABLE, WAYS TO PROVIDE PLAY SPACE WHEN NO OUTDOOR SPACE IS AVAILABLE, SAFETY, AND STORAGE. CHILD CARE INSTITUTIONS ARE ENCOURAGED TO BE CREATIVE IN THE DEVELOPMENT OF INEXPENSIVE OR FREE MATERIALS SUCH AS OLD TIRES. ALSO NOTED IS THE NEED TO CONSIDER THE CLIMATE WHEN PLANNING A YEAR ROUND FACILITY AND PROGRAM. (DB)

AVAILABILITY: SUPERINTENDENT OF DOCUMENTS, U. S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D. C. 20402 (STOCK NUMBER 1790-00013, $0.55)

ACCESSION NUMBER: ED091 95

PUBLICATION DATE: MAY 74

TITLE: OUTDOOR EDUCATION AND ITS CONTRIBUTIONS TO ENVIRONMENTAL QUALITY. A RESEARCH ANALYSIS.

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PERSONAL AUTHOR: VOGL, ROBERT L.; VOGL, SONIA

DESCRIPTOR: ACTIVISM; CHANGE AGENTS; *COMMUNITY INVOLVEMENT; CURRICULUM DEVELOPMENT; *EDUCATIONAL DEVELOPMENT; *ENVIRONMENTAL EDUCATION; *INFORMATION NEEDS; MOTIVATION; NATURAL RESOURCES; *OUTDOOR EDUCATION; PROBLEMS; PROGRAM DEVELOPMENT; PROGRAM EVALUATION; RECREATIONAL ACTIVITIES

DESCRIPTIVE NOTE: 71P.

INCREASED ENVIRONMENTAL PROBLEMS INDICATE A NEED FOR EDUCATIONAL PROGRAMS TO MEET THE GOALS OF ENVIRONMENTAL QUALITY. SUCH PROGRAMS WOULD STRESS ECOLOGICAL CONCEPTS, APPRECIATION FOR THE OUTDOORS, KNOWLEDGE OF APPROPRIATE OUTDOOR RECREATION ACTIVITIES, AN UNDERSTANDING OF THE INTERRELATIONSHIPS BETWEEN NATURE AND HUMANITY, THE DEVELOPMENT OF POSITIVE ATTITUDES TOWARD THE NATURAL AND MAN-MADE WORLD, AND THE ABILITY FOR CITIZENS TO WORK TOGETHER DEMOCRATICALLY TO SOLVE ENVIRONMENTAL PROBLEMS. THE PROGRAMS SHOULD BE INTERDISCIPLINARY AND CONTRIBUTE TO THE GOAL OF UNDERSTANDING, APPRECIATING, AND PRESERVING THE ENVIRONMENT. THEY WOULD BE DIRECTED TOWARD ALL AGE LEVELS, FROM PRE-SCHOOL THROUGH ADULT. THE OUTDOOR EDUCATION MOVEMENT HAS LONG SERVED AS A VALUABLE MEANS OF IMPLEMENTING THE GOALS OF ENVIRONMENTAL QUALITY. EXPERIENCES IN SCHOOL CAMPING, SCHOOL SITE DEVELOPMENT, BEAUTIFICATION, ECOLOGICAL STUDIES, OUTDOOR RECREATION ACTIVITIES, AND CITIZEN ACTION HAVE HELPED TO PRODUCE ENVIRONMENTALLY-AWARE CITIZENS. OUTDOOR EDUCATION IS SHOWN AS AN EDUCATIONAL INNOVATION, AND GUIDELINES ARE PROVIDED FOR ITS INCLUSION IN A SCHOOL CURRICULUM, AND FOR SPECIFIC ASPECTS OF OUTDOOR EDUCATION PROGRAMS. EVALUATIVE STUDIES OF OUTDOOR EDUCATION ARE PRESENTED, WITH 18 RECOMMENDATIONS FOR FUTURE DIRECTIONS WHICH ENVIRONMENTALLY-FOCUSED OUTDOOR EDUCATION MAY FOLLOW. (AUTHOR/KM)

AVAILABILITY: NATIONAL EDUCATIONAL LABORATORY PUBLISHERS, INC., 813 AIRPORT BOULEVARD, AUSTIN, TX 78702 (STOCK NO. EC-012, $2.25)

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ACCESSION NUMBER: ED091135

PUBLICATION DATE: 58

TITLE: CASTING AND ANGLING.

PERSONAL AUTHOR: SMITH, JULIAN W.

DESCRIPTOR: COLLEGES; CURRICULUM DEVELOPMENT; *EQUIPMENT; FACILITIES; GAMES; HOBBIES; INSTRUCTIONAL MATERIALS; ORGANIZATIONS (GROUPS); *OUTDOOR EDUCATION; PHYSICAL EDUCATION; *RECREATIONAL ACTIVITIES; RESOURCE MATERIALS; SCHOOLS; SPORTSMANSHIP; SUPPLIES; *TEACHING GUIDES; *TECHNIQUES; WATER RESOURCES

IDENTIFIER: *FISHING

DESCRIPTIVE NOTE: 54P.

AS PART OF A SERIES OF BOOKS AND PAMPHLETS ON OUTDOOR EDUCATION, THIS MANUAL CONSISTS OF EASY-TO-FOLLOW INSTRUCTIONS FOR FISHING ACTIVITIES DEALING WITH CASTING AND ANGLING. THE MANUAL MAY BE USED AS A PART OF THE REGULAR PHYSICAL EDUCATION PROGRAM IN SCHOOLS AND COLLEGES OR AS A CLUB ACTIVITY FOR THE ACCOMPLISHED WEEKEND FISHERMAN OR THE SELF-TAUGHT NOVICE. THESE TOPICS ARE INCLUDED: (1) CASTING AND ANGLING IN THE CURRICULUM; (2) EQUIPMENT AND TECHNIQUES FOR FLY-CASTING, BAIT-CASTING, SPINNING, SPINCASTING, SURF CASTING, AND SURF SPINNING; (3) METHODS FOR TEACHING FLY-CASTING, BAIT-CASTING, AND SPINNING; (4) GAMES; (5) THE NATIONAL ASSOCIATION OF ANGLING AND CASTING CLUB'S RULES GOVERNING CASTING EVENTS, CLASSIFICATIONS, AND CHEVRONS; (6) EQUIPMENT, FACILITIES, SUPPLIES, AND SCORESHEETS; AND (7) RECOMMENDED SPECIFICATIONS FOR FISHING TACKLE. A LIST OF SUGGESTED REFERENCE BOOKS, ARTICLES, AND FILMS ENDS THE PUBLICATION. (NQ)

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ACCESSION NUMBER: ED091136

PUBLICATION DATE: 60

TITLE: SHOOTING AND HUNTING: INSTRUCTOR'S GUIDE.

PERSONAL AUTHOR: SMITH, JULIAN W., COMP.

DESCRIPTOR: AUDIOVISUAL AIDS; CURRICULUM; *EQUIPMENT; FIELD INSTRUCTION; GAMES; HISTORY; LITERATURE; ORGANIZATIONS (GROUPS); *OUTDOOR EDUCATION; *RECREATIONAL ACTIVITIES; RESOURCE MATERIALS; SAFETY; SPORTSMANSHIP; *TEACHING GUIDES; *TECHNIQUES

IDENTIFIER: HUNTING; *SHOOTING

DESCRIPTIVE NOTE: 94P.; FOR RELATED DOCUMENTS, SEE RC 007 899 AND RC 007 901-903

THE SHOOTING AND HUNTING MANUAL, PART OF A SERIES OF BOOKS AND PAMPHLETS ON OUTDOOR EDUCATION, EXPLAINS SHOOTING SKILLS, HUNTING, AND PROPER GUN HANDLING ON THE RANGE AND IN THE FIELD. THIS MANUAL SHOULD BE SUPPLEMENTED AND ENRICHED BY AVAILABLE REFERENCES, FACILITIES, AND RESOURCES. IT MAY BE INCLUDED IN THE COMMUNITY'S EDUCATIONAL AND LEISURE-RELATED ACTIVITIES. TOPICS ARE: (1) A BRIEF HISTORY OF GUNS THROUGH THE AGES; (2) SHOOTING SKILLS,AMMUNITION, GUN PARTS AND TYPES, AND SAFETY AND RANGE PROCEDURES; (3) INFORMAL AND ORGANIZED SHOOTING GAMES; (4) RIFLE CLUBS, SHOTGUN ACTIVITIES, SHOOTING CLINICS, AND THE SCHOOL CURRICULUM; (5) FIRING RANGES; (6) EQUIPMENT; (7) GUN HANDLING; AND (8) TRAINING AIDS. DEFINITIONS OF SHOOTING AND HUNTING TERMS AND A LIST OF REFERENCE BOOKS, ARTICLES, AND FILMS ARE INCLUDED. (NO)

ACCESSION NUMBER: ED091137

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PUBLICATION DATE: 67

TITLE: GROUP ARCHERY INSTRUCTION FOR BEGINNERS: A PLANNING GUIDE FOR INSTRUCTORS.

PERSONAL AUTHOR: FERGUSON, GLADYS D.; AND OTHERS

DESCRIPTOR: *ARCHERY; AUDIOVISUAL AIDS; CAMPING; DEFINITIONS; *EQUIPMENT; FACILITIES; GAMES; GROUP INSTRUCTION; INSTRUCTIONAL MATERIALS; LIMITED EXPERIENCE; ORGANIZATIONS (GROUPS); *OUTDOOR EDUCATION; PHYSICAL EDUCATION; *RECREATIONAL ACTIVITIES; RESOURCE MATERIALS; SAFETY; SPORTSMANSHIP; *TEACHING GUIDES

DESCRIPTIVE NOTE: 47P.; FOR RELATED DOCUMENTS, SEE RC 007 899-900 AND RC 007 902-903

AS PART OF A SERIES OF BOOKS AND PAMPHLETS ON OUTDOOR EDUCATION, THIS MANUAL DEALS PRIMARILY WITH GROUP INSTRUCTION FOR BEGINNING ARCHERY STUDENTS. THE MANUAL, DESIGNED TO PROVIDE PRACTICAL SUGGESTIONS FOR INITIATING GROUP INSTRUCTION, MAY BE USED IN PHYSICAL EDUCATION AND RECREATION CLASSES IN SCHOOLS AND COLLEGES AND IN PROGRAMS CONDUCTED BY CAMPS, RECREATION DEPARTMENTS, AND OTHER AGENCIES CONCERNED WITH TEACHING SKILLS AND SPORTS. SECTIONS ARE: (1) FACILITIES, (2) EQUIPMENT, (3) INSTRUCTION, (4) ARCHERY GAMES, AND (5) ADVANCED INSTRUCTION. SECTION 3 INCLUDES INSTRUCTIONAL AIDS, CLASS ORGANIZATION, BASIC INSTRUCTIONAL PROCEDURE, SKILL AND KNOWLEDGE TESTING AND EVALUATION, CORRELATION OF ARCHERY INSTRUCTION WITH OTHER INTEREST AREAS, ARCHERY ETIQUETTE, INSTRUCTION TIPS, AND GENERAL SAFETY POINTS. A GLOSSARY AND A LIST OF BOOKS, PAMPHLETS, PERIODICALS, FILMS, AND ARCHERY ORGANIZATIONS END THE MANUAL. (NQ)

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ACCESSION NUMBER: ED091138

PUBLICATION DATE: 60

TITLE: MARKSMANSHIP FOR YOUNG SHOOTERS: THE AIR RIFLE AS AN INSTRUCTIONAL TOOL.

PERSONAL AUTHOR: HASKINS, BARBARA P., ED.; SMITH, JULIAN, ED.

DESCRIPTOR: CURRICULUM DEVELOPMENT; ELEMENTARY SCHOOLS; EQUIPMENT; GAMES; HISTORY; *MARKSMANSHIP; MECHANICAL SKILLS; *OUTDOOR EDUCATION; *PROGRAM PLANNING; RECREATIONAL ACTIVITIES; RESOURCE MATERIALS; *TEACHING GUIDES; TECHNICAL EDUCATION; *TECHNIQUES

IDENTIFIER: *AIR RIFLE; SHOOTING

DESCRIPTIVE NOTE: 27P.; FOR RELATED DOCUMENTS, SEE RC 007 899-901 AND RC 007 903

THE PURPOSES OF THIS MANUAL, WHICH IS PART OF A SERIES ON OUTDOOR EDUCATION, ARE: (1) TO SHOW SOME WAYS IN WHICH THE SPRING-TYPE AIR RIFLE CAN BE USED AS AN INSTRUCTIONAL TOOL IN THE SCHOOL CURRICULUM (ESPECIALLY IN THE ELEMENTARY SCHOOL) AND IN RECREATIONAL AND AGENCY PROGRAMS INVOLVING YOUNG SHOOTERS AND (2) TO PROVIDE INFORMATION ON THE MECHANICS OF AND PROCEDURES FOR USING THE SPRING-TYPE AIR RIFLE. IT IS A CURRICULUM AND PROGRAM GUIDE, NOT A TRAINING MANUAL, WHICH SHOULD BE SUPPLEMENTED WITH "SHOOTING AND HUNTING" (A PRECEDING MANUAL IN THE OUTDOOR EDUCATION SERIES) AND OTHER RELATED PUBLICATIONS. IT IS DIVIDED INTO TWO PARTS: (1) THE SPRING-TYPE AIR RIFLE AS AN INSTRUCTIONAL TOOL AND (2) TEACHING MARKSMANSHIP. PART 1 DISCUSSES PLANNING THE PROGRAM, CURRICULUM USE, AND SPECIAL PROJECTS. PART 2 DISCUSSES THE HISTORY OF GUNS, GUN HANDLING, SETTING UP THE RANGE, SHOOTING SKILLS, RANGE PROCEDURES, AND FIELD TRAINING. (NO)

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ACCESSION NUMBER: ED091139

PUBLICATION DATE: 70

TITLE: A GUIDE TO INSTRUCTION IN THE SHOOTING SPORTS-RIFLES; AIR RIFLES; SHOTGUNS; PISTOLS; HUNTER SAFETY.

PERSONAL AUTHOR: NIEMEYER, ROY K.; AND OTHERS

DESCRIPTOR: ACCIDENT PREVENTION; ACCIDENTS; ACTIVITIES; AUDIOVISUAL AIDS; DEFINITIONS; EQUIPMENT; FIELD INSTRUCTION; *LESSON PLANS; *OUTDOOR EDUCATION; RESOURCE MATERIALS; *SAFETY; *TEACHING GUIDES; *TECHNIQUES; TESTING

IDENTIFIER: *SHOOTING SPORTS

DESCRIPTIVE NOTE: 67P.; FOR RELATED DOCUMENTS, SEE RC 007 899-902

PREPARED FOR INSTRUCTION IN THE USE OF RIFLES, AIR GUNS, SHOTGUNS, PISTOLS, AND HUNTER SAFETY, THIS GUIDE SUPPLEMENTS OTHER MATERIALS WHICH ARE AVAILABLE FROM THE NATIONAL RIFLE ASSOCIATION OF AMERICA, THE NATIONAL SHOOTING SPORTS FOUNDATION, THE AMERICAN ASSOCIATION FOR HEALTH, PHYSICAL EDUCATION, AND RECREATION, INDUSTRY, AND OTHER SOURCES. THE GUIDE SHOULD BE HELPFUL IN SCHOOLS, COLLEGES, CLINICS, AND WORKSHOPS WHICH INSTRUCT IN THE SHOOTING SPORTS. MAJOR DIVISIONS ARE: (1) RIFLES AND AIR GUNS, (2) SHOTGUNS, (3) PISTOLRY, AND (4) HUNTER SAFETY. EACH IS IN OUTLINE FORM AND CONSISTS OF GUN PARTS AND TYPES, TECHNIQUES, ACTIVITIES, SUGGESTED KNOWLEDGE TESTS, AND A 1-, 4-, 5-, 10-, OR 20-HOUR LESSON PLAN OUTLINE. THE GUIDE ALSO INCLUDES A LIST OF REFERENCE MATERIALS, A GLOSSARY OF SHOOTING SPORT TERMS, AND THE 10 COMMANDMENTS OF SAFETY. (NQ)

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ACCESSION NUMBER: ED091140

PUBLICATION DATE: JUN 69

TITLE: INSTITUTE ON OUTDOOR EDUCATION FOR THE HANDICAPPED. (BATTLE CREEK OUTDOOR EDUCATION CENTER, CLEAR LAKE, DOWLING, MICHIGAN, JUNE 1969).

DESCRIPTOR: ACTIVITIES; CAMPING; *EDUCATIONAL EXPERIENCE; *ENVIRONMENTAL EDUCATION; *HANDICAPPED CHILDREN; *INSTITUTES (TRAINING PROGRAMS); MENTALLY HANDICAPPED; NATURAL RESOURCES; ORGANIZATION; *OUTDOOR EDUCATION; PHYSICALLY HANDICAPPED; PROGRAM DESCRIPTIONS

DESCRIPTIVE NOTE: 15P.

IN EARLY JUNE 1969, 55 SPECIAL EDUCATION AND PHYSICAL EDUCATION TEACHERS AND EXPERTS IN OUTDOOR EDUCATION MET FOR A WEEK AT THE BATTLE CREEK PUBLIC SCHOOLS' OUTDOOR EDUCATION CENTER, CLEAR LAKE CAMP (MICHIGAN). THE PARTICIPANTS SHARED IN THE CAMPING ACTIVITIES OF CHILDREN FROM BATTLE CREEK CLASSES FOR THE PHYSICALLY AND MENTALLY HANDICAPPED, DEAF, HARD-OF-HEARING, BLIND, AND PARTIALLY SEEING, AND TWO CLASSES OF TRAINABLE CHILDREN. TOPICS COVERED ARE: (1) SOME ACTIVITIES CONDUCTED DURING THE WEEK; (2) THE ROLE OF OUTDOOR EDUCATION IN TEACHING HANDICAPPED STUDENTS; (3) NOTES FROM A NATURE WALK WITH HARLAND METCALF, PROFESSOR OF RECREATION EDUCATION AT STATE UNIVERSITY OF NEW YORK--CORTLAND; (4) AN OVERVIEW OF PROGRAMS; AND (5) PROJECT ORGANIZATION AND ADMINISTRATION. A LIST OF THE PARTICIPANTS, THEIR ADDRESSES, AND A BIBLIOGRAPHY ARE GIVEN. (NO)

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ACCESSION NUMBER: ED091165

PUBLICATION DATE: 74

TITLE: A TEACHER'S GUIDE TO STUDYING THE LOCAL COMMUNITY THROUGH MODELS, GAMES AND SIMULATION.

PERSONAL AUTHOR: HEILMAN, JAMES M.; FREUND, JOHN DEAN

DESCRIPTOR: *COMMUNITY SURVEYS; EDUCATIONAL GAMES; ELEMENTARY SCHOOL STUDENTS; *ENVIRONMENTAL EDUCATION; FIELD STUDIES; *OUTDOOR EDUCATION; *SIMULATION; *TEACHING GUIDES

DESCRIPTIVE NOTE: 61P.

THIS TEACHER'S GUIDE GREW OUT OF AN ENVIRONMENTAL EDUCATION PROJECT INVOLVING PERSONNEL FROM THE OHIO STATE SCHOOL FOR THE DEAF, THE WORTHINGTON (OHIO) OUTDOOR EDUCATION DEPARTMENT, AND TEACHERS AND PUPILS IN ONE OF THE WORTHINGTON ELEMENTARY SCHOOLS. THE GUIDE IS DIVIDED INTO FOUR PARTS: BACKGROUND INFORMATION, STRATEGIES (FOR INVOLVING STUDENTS IN STUDYING THEIR COMMUNITY), SAMPLE STUDENT WORKBOOK ("WHAT'S IN MY OWN BACKYARD?"), AND ADDITIONAL READINGS (ON SIMULATIONS AND GAMES). (PEB)

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ACCESSION NUMBER: ED092310

PUBLICATION DATE: 73

TITLE: STRATEGIES TO AFFECT STUDENT AWARENESS OF NATURAL AND SOCIAL ENVIRONMENTS IN OUTDOOR EDUCATION: A RESOURCE GUIDE.

PERSONAL AUTHOR: PETERS, RICHARD O.

DESCRIPTOR: CAMPING; *EDUCATIONAL STRATEGIES; *ENRICHMENT ACTIVITIES; FIELD TRIPS; FILMS; GAMES; LEARNING ACTIVITIES; *OUTDOOR EDUCATION; *REFERENCE MATERIALS; *RESOURCE GUIDES; SIMULATION

DESCRIPTIVE NOTE: 19P.

SEVERAL INSTRUCTIONAL STRATEGIES HAVE BEEN DEVELOPED AND EMPLOYED TO AFFECT STUDENT AWARENESS OF NATURAL AND SOCIAL ENVIRONMENTAL SETTINGS. THREE INSTRUCTIONAL STRATEGY ORIENTATIONS HAVE BEEN STRUCTURED FOR AFFECTING STUDENT CONCEPTUAL LEARNING AND VALUES ACQUISITION-CLARIFICATION: AFFECTIVE, COGNITIVE, AND AFFECTIVE-COGNITIVE. OUTDOOR EDUCATION IS AN INSTRUCTIONAL STRATEGY WHICH EXPOSES STUDENTS TO ENVIRONMENTAL SETTINGS IN AN ATTEMPT TO DEVELOP THEIR AWARENESS AND APPRECIATION OF TOTAL LIFE-SPACE PHENOMENA. THIS PAPER DISCUSSES STRATEGIES REPRESENTING BOTH DIRECT AND VICARIOUS INSTRUCTIONAL ACTIVITIES FOR STUDENTS IN GRADES K-12. THESE ARE: (1) THE LEARNING LABORATORY; (2) THE MOBILE CLASSROOM; (3) SOUND FILM AND VIDEO TAPE SIMULATIONS; (4) GAMES AND SIMULATIONS; AND (5) FIELD, HIKING, AND CAMPING TRIPS. A LIST OF 35 REFERENCE MATERIALS PERTAINING TO THESE STRATEGIES IS ALSO GIVEN. (NQ)

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ACCESSION NUMBER: ED092302

PUBLICATION DATE: 73

TITLE: ATTITUDE DEVELOPMENT THROUGH OUTDOOR EDUCATION. PENN STATE HPER SERIES NO. 1.

PERSONAL AUTHOR: MILLWARD, ROBERT E.

DESCRIPTORS: AFFECTIVE OBJECTIVES; CAMPING; *CHANGING ATTITUDES; COGNITIVE OBJECTIVES; CONSERVATION EDUCATION; *EVALUATION METHODS; *OBJECTIVES; *OUTDOOR EDUCATION; *PROGRAM EVALUATION; PSYCHOMOTOR OBJECTIVES; RESIDENTIAL PROGRAMS

DESCRIPTIVE NOTE: 212P.

IN THIS MONOGRAPH, INFORMATION FOR DEVELOPING CAMP OBJECTIVES, EVALUATION INSTRUMENTS, AND PROGRAM ACTIVITIES IS PRESENTED. IT INCLUDES: A BRIEF TREATISE ON THE DEVELOPMENT OF OUTDOOR EDUCATION PROGRAMS; INFORMATION RELATED TO THE CONSTRUCTION OF BEHAVIORAL OBJECTIVES; ATTITUDE FORMATION, CHANGE, THEORY, AND MEASUREMENT; A DESCRIPTION OF THE RESEARCH PROCEDURES AND THE SCHOOL CAMP PROGRAM ALONG WITH THE ATTITUDE INVENTORY; AN ANALYSIS OF THE RESEARCH RESULTS AT WEST JEFFERSON HILLS SCHOOL DISTRICT (PLEASANT HILLS, PENNSYLVANIA); AND A SUMMARY WITH CONCLUSIONS BASED ON THE ATTITUDE INVENTORY RESULTS, AND RECOMMENDATIONS FOR FUTURE PROGRAMS. THE METHODS FOR CONSTRUCTING OBJECTIVES AND DEVELOPING THE ATTITUDE INSTRUMENT WERE USED IN DEVELOPING AND EVALUATING A SIXTH GRADE OUTDOOR RESIDENT EXPERIENCE FOR WEST JEFFERSON HILLS SCHOOL DISTRICT DURING SPRING 1970. INFORMATION IN THIS MONOGRAPH PERTAINING TO THE WEST JEFFERSON HILLS STUDY INCLUDES THE PROBLEM STATEMENT, TERM DEFINITIONS, STUDY LIMITATIONS, THE HYPOTHESES, A BRIEF HISTORY OF PLEASANT HILL'S EARLY OUTDOOR PROGRAMS, A DETAILED DESCRIPTION OF THE 1970 OUTDOOR RESIDENT EXPERIENCE, AND A DESCRIPTION OF THE METHODOLOGY USED IN CONSTRUCTING AND PILOTING THE ATTITUDE INVENTORY. (NO)

AVAILABILITY: PENN STATE UNIVERSITY, PENN STATE HPER SERIES, 275 RECREATION BUILDING, UNIVERSITY PARK, PENNSYLVANIA 16802 ($3.50)

Document not available from EDRS

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ACCESSION NUMBER: ED092488

PUBLICATION DATE: 73

TITLE: RESIDENT OUTDOOR EDUCATION. A PLANNING GUIDE.

PERSONAL AUTHOR: REED, RONALD, ED.

DESCRIPTOR: ELEMENTARY GRADES; ELEMENTARY SCHOOL SCIENCE; *ENVIRONMENTAL EDUCATION; *GUIDELINES; *GUIDES; INSTRUCTION; *OUTDOOR EDUCATION; *RESOURCE MATERIALS

DESCRIPTIVE NOTE: 32P.

THE FOCUS OF THIS BOOKLET IS ON THE MECHANICS OF ORGANIZING AND OPERATING RESIDENT OUTDOOR EDUCATION PROGRAMS; THE GUIDELINES PRESENTED ARE WRITTEN MAINLY FOR ELEMENTARY PROGRAMS OF ONE WEEK'S DURATION. TOPICS COVERED INCLUDE A PHILOSOPHY FOR OUTDOOR EDUCATIONAL EXPERIENCE; LAYING THE GROUNDWORK; CHOOSING A SITE; TIME OF YEAR; FINANCING; RESOURCE PEOPLE; NIGHT SUPERVISION; TRANSPORTATION; AND HEALTH, ACCIDENTS, SAFETY, AND INSURANCE. A BIBLIOGRAPHY OF 127 REFERENCES PROVIDING SOURCES FOR IDEAS FOR EDUCATIONAL ACTIVITIES THAT CAN BE CONDUCTED AT A RESIDENT SITE IS INCLUDED, ALONG WITH SAMPLE FORMS (A PARENT INFORMATION SHEET, EQUIPMENT LIST, PERMISSION AND HEALTH INFORMATION FORMS, MEDICAL PERMISSION SLIPS, EVALUATION FORMS AND GUIDES, AND VISITOR'S REPORT) THAT MIGHT BE USED FOR A PROGRAM. (DT)

ACCESSION NUMBER: ED092487

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PUBLICATION DATE: AUG 73

TITLE: GUIDE FOR FINANCIAL ASSISTANCE AND PROGRAM SUPPORT FOR ACTIVITIES IN PHYSICAL EDUCATION AND RECREATION FOR IMPAIRED, DISABLED, AND HANDICAPPED PARTICIPANTS: FOUNDATION PROGRAMS, AUGUST 1973.

PERSONAL AUTHOR: HARRINGTON, PAUL

DESCRIPTOR: ATHLETICS; CAMPING; *FINANCIAL SUPPORT; *FOUNDATION PROGRAMS; HANDICAPPED; OUTDOOR EDUCATION; *PHYSICAL EDUCATION; *PHYSICALLY HANDICAPPED; *RECREATIONAL ACTIVITIES; RECREATION FINANCES; THERAPY

DESCRIPTIVE NOTE: 50P.

THIS GUIDE PROVIDES INFORMATION FOR OBTAINING FOUNDATION SUPPORT AND FINANCIAL ASSISTANCE FOR DEVELOPING AND/OR SUPPLEMENTING PHYSICAL EDUCATION, RECREATION, CAMPING, SPORTS, ATHLETICS, OUTDOOR EDUCATION, AND OTHER RELATED PROGRAMS FOR IMPAIRED, DISABLED, AND HANDICAPPED PERSONS. TWENTY-ONE FOUNDATIONS ARE LISTED WITH THE ADDRESS, CONTACT PERSON, WHO MAY APPLY, HOW TO APPLY, AND GEOGRAPHICAL AND GENERAL LIMITATIONS FOR EACH ONE. THE REMAINDER OF THE GUIDE LISTS (A) NAMES AND ADDRESSES OF FOUNDATIONS THAT MIGHT GIVE SUPPORT, (B) SUPPLEMENTARY FUNDING RESOURCES GIVEN IN DIRECTORIES AND PUBLICATIONS, AND (C) GUIDELINES FOR PREPARING GRANT PROPOSALS. (AUTHOR/PD)

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ACCESSION NUMBER: ED093529

PUBLICATION DATE: MAY 74

TITLE: UPPER MISSISSIPPI RIVER ECO-CENTER ENVIRONMENTAL EDUCATION PROJECT. FIRST YEAR REPORT, PROJECT YEAR 72-73.

DESCRIPTOR: *CURRICULUM DEVELOPMENT; *ENVIRONMENTAL EDUCATION; GRADE 5; HISTORY; *INTEGRATED ACTIVITIES; MATERIAL DEVELOPMENT; NATURAL RESOURCES; OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS; PROJECT APPLICATIONS; RESOURCE MATERIALS

IDENTIFIER: *ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III; ILLINOIS

DESCRIPTIVE NOTE: 144P.; NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF ORIGINAL DOCUMENT

THE PROPOSAL DESCRIBES THE HISTORY OF THE UPPER MISSISSIPPI RIVER ECO-CENTER ENVIRONMENTAL EDUCATION PROJECT (FUNDED BY TITLE III, ELEMENTARY AND SECONDARY EDUCATION ACT), CARROLL COUNTY, ILLINOIS. THE GOAL OF THE PROJECT, WHICH BEGAN IN JULY 1972, IS TO IMPLEMENT AND COORDINATE A COMPREHENSIVE ENVIRONMENTAL EDUCATION PROGRAM FOR THE COUNTY'S STUDENTS AND CITIZENS. THE PILOT GROUP FOR THE FIRST YEAR INCLUDED THE 5TH GRADE STUDENTS AND TEACHERS IN THE COUNTY'S 7 SCHOOL DISTRICTS. TEN ACTIVITIES WERE DESIGNED TO INTEGRATE ENVIRONMENTAL EDUCATION INTO EXISTING INSTRUCTIONAL PROGRAMS, INCLUDING PROGRAM PLANNING IN CONJUNCTION WITH THE DEPARTMENT OF EDUCATION, NORTHERN ILLINOIS UNIVERSITY; DEVELOPING A SERIES OF IN-SERVICE TRAINING SESSIONS FOR CLASSROOM TEACHERS; IDENTIFICATION AND DEVELOPMENT OF AREA RESOURCES FOR STUDENT FIELD TRIPS; AND DEVELOPING A LOCAL OUTDOOR EDUCATION SITE. EVALUATION TESTS, DEVELOPED BY THE STAFF, INDICATED THAT PUPILS HAD STATISTICALLY INCREASED THEIR ENVIRONMENTAL AWARENESS. THE PROPOSAL IS DIVIDED INTO INFORMATION AND PROJECT DESCRIPTION; EFFECTIVENESS/SUCCESS, COST INFORMATION (DELETED), AND EXPORTABILITY. THE APPENDIX INCLUDES A PROJECT DESCRIPTION, THE PROGRAM AS PLANNED AND CARRIED OUT, ACTIVITIES, AND THE NATIONAL VALIDATION REPORT. MUCH OF THE INFORMATION IS GIVEN IN TABULAR OR PROPOSAL FORM. (KM)

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ACCESSION NUMBER: ED093647

PUBLICATION DATE: JAN 74

TITLE: TWO HUNDRED OR MORE DISSERTATIONS IN ECO EDUCATION.

PERSONAL AUTHOR: SWAN, MALCOLM D., COMP.; AND OTHERS

DESCRIPTOR: BIBLIOGRAPHIES; *CONSERVATION EDUCATION; *DOCTORAL THESES; *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION; *REFERENCE MATERIALS; RESOURCE MATERIALS

DESCRIPTIVE NOTE: 16P.; TAFT CAMPUS OCCASIONAL PAPER NO. 15

THIS DOCUMENT IS A LISTING OF 208 DISSERTATIONS WRITTEN IN THE AREAS OF ENVIRONMENTAL EDUCATION, CONSERVATION EDUCATION, AND/OR OUTDOOR EDUCATION. THESE DISSERTATIONS WERE WRITTEN BETWEEN 1930 AND 1973, WITH MOST COMPLETED BEFORE 1960. (JP)

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ACCESSION NUMBER: ED093681

PUBLICATION DATE: 74

TITLE: METROPOLITAN ENVIRONMENTAL EDUCATION RESOURCES STUDY.

PERSONAL AUTHOR: FREUND, JOHN DEAN, ED.

DESCRIPTOR: *CURRICULUM; *EDUCATIONAL RESEARCH; ELEMENTARY SCHOOL SCIENCE; *ENVIRONMENTAL EDUCATION; *FIELD TRIPS; GRADE 5; INSTRUCTION; INSTRUCTIONAL MATERIALS; LEARNING ACTIVITIES; OUTDOOR EDUCATION; PROGRAM DESCRIPTIONS; *PROJECTS

DESCRIPTIVE NOTE: 137P.; SEE ED 056 878 FOR RELATED DOCUMENT

TWO MAJOR OBJECTIVES OF THE METROPOLITAN ENVIRONMENTAL EDUCATION RESOURCES STUDY WERE: (1) TO PRODUCE A DIRECTORY OF SITES AROUND COLUMBUS, OHIO, HAVING FIELDTRIP POTENTIAL; AND (2) TO TEST THE VALIDITY OF THE CONCEPT THAT FIELD TRIPS ARE A USEFUL METHOD IN AIDING STUDENT EDUCATIONAL GROWTH. THE FIRST SECTION OF THIS DOCUMENT RELATES THE HISTORY OF THE PROJECT. THE SECOND SECTION CONSISTS OF THE TEACHING MATERIALS USED AT THE FIFTH GRADE LEVEL, INCLUDING A CRITICAL THINKING UNIT ABOUT THE ENVIRONMENT AND FIELD TRIP OBSERVATION SHEETS. THE NEXT SECTION DESCRIBES THE PREPARATION OF THE TEST INSTRUMENT AND THE TESTING PROCEDURES USED IN THE STUDY, AND INCLUDES A COPY OF THE TEST INSTRUMENT. THE FINAL SECTION PRESENTS THE SET-UP AND ANALYSIS OF THE STUDY CONCERNED WITH USING FIELD TRIP ACTIVITIES WITH FIFTH GRADE STUDENTS. THE AUTHOR CONCLUDES THAT STUDENTS IN THE TREATMENT GROUP INVOLVING FIELD TRIPS SHOWED SIGNIFICANT CHANGES FROM PRETEST TO POSTTEST. (DT)

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ACCESSION NUMBER: ED 093763

PUBLICATION DATE: 74

TITLE: AIDS TO ENVIRONMENTAL EDUCATION: PRESCHOOL-GRADE 3; GRADES 4-6; UPDATE I (JUNE 1974).

PERSONAL AUTHOR: MCDANIEL, MARGARET, COMP.

DESCRIPTOR: AIR POLLUTION CONTROL; *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; CITY PROBLEMS; CLASSROOM MATERIALS; *CONSERVATION EDUCATION; *ECOLOGY; ELEMENTARY EDUCATION; *ENVIRONMENTAL EDUCATION; FUTURES (OF SOCIETY); *NATURAL RESOURCES; OUTDOOR EDUCATION; PRESCHOOL EDUCATION; RESOURCE MATERIALS; URBAN STUDIES

DESCRIPTIVE NOTE: 69P.; FOR A RELATED DOCUMENT, SEE SO007618 AND 619

THIS ANNOTATED BIBLIOGRAPHY OF ENVIRONMENTAL EDUCATION MATERIALS FOR PRESCHOOL THROUGH GRADE 6 IS INTENDED FOR TEACHERS AND LIBRARIANS. MOST MATERIALS CITED WERE PUBLISHED FROM 1970-1972, ALTHOUGH A FEW DATE FROM THE 1960'S. THE BIBLIOGRAPHY HAS TWO MAIN SECTIONS: (1) PRESCHOOL-GRADE 3 AND (2) GRADES 4-6. A THIRD AND LAST SECTION, AN UPDATE OF MATERIALS PUBLISHED FROM 1970-1973, CITES ADDITIONAL MATERIALS NOT INCLUDED IN THE MAIN SECTION. WITHIN EACH SECTION MATERIALS ARE LISTED BY AUTHOR UNDER THE FOLLOWING CATEGORIES: (1) BIBLIOGRAPHIES; (2) BOOKS FOR STUDENTS; (3) BOOKS FOR TEACHERS -- ACTIVITY GUIDES; (4) CURRICULUM MATERIALS; (5) FILMSTRIPS; (6) GRAPHICS; AND (7) MAGAZINES. PRICES ARE INCLUDED FOR MAGAZINE SUBSCRIPTIONS. PUBLISHER'S ADDRESSES ARE ALSO PROVIDED. (AUTHOR/RM)

AVAILABILITY: HATHEWAY ENVIRONMENTAL EDUCATION INSTITUTE, MASSACHUSETTS AUDUBON SOCIETY, LINCOLN, MASS. 01773 ($0.60 FOR EACH PART)

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ACCESSION NUMBER: ED093764

PUBLICATION DATE: 74

TITLE: AIDS TO ENVIRONMENTAL EDUCATION: GRADES 7-9, GRADES 10-14, UPDATE I (JUNE 1974).

PERSONAL AUTHOR: MCDANIEL, MARGARET, COMP.

DESCRIPTOR: AIR POLLUTION CONTROL; *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; CITY PROBLEMS; CLASSROOM MATERIALS; *CONSERVATION EDUCATION; *ECOLOGY; *ENVIRONMENTAL EDUCATION; FUTURES (OF SOCIETY); HIGHER EDUCATION; *NATURAL RESOURCES; OUTDOOR EDUCATION; RESOURCE MATERIALS; SECONDARY EDUCATION; URBAN STUDIES; VALUES

DESCRIPTIVE NOTE: 115P.; FOR A RELATED DOCUMENT, SEE SO007617 AND 619

THIS ANNOTATED BIBLIOGRAPHY OF ENVIRONMENTAL EDUCATION MATERIALS FOR GRADES 7 THROUGH 14 IS INTENDED FOR TEACHERS AND LIBRARIANS. MOST MATERIALS CITED WERE PUBLISHED FROM 1970-1972, ALTHOUGH A FEW DATE FROM THE 1960'S. THE BIBLIOGRAPHY HAS TWO MAIN SECTIONS: (1) GRADES 7-9 AND (2) GRADES 10-14. A THIRD AND LAST SECTION, AN UPDATE OF MATERIALS PUBLISHED FROM 1970-1973, CITES ADDITIONAL MATERIALS NOT INCLUDED IN THE MAIN SECTION. WITHIN SECTIONS, MATERIALS ARE ARRANGED BY AUTHOR WITHIN CATEGORIES SUCH AS THE FOLLOWING: (1) BIBLIOGRAPHIES; (2) BOOKS; (3) CURRICULUM MATERIALS; (4) FILMS; (5) FILMSTRIPS; (6) GRAPHICS; AND (7) MAGAZINES AND NEWSLETTERS. PUBLISHER'S ADDRESSES ARE ALSO PROVIDED. (AUTHOR/RM)

AVAILABILITY: HATHEWAY ENVIRONMENTAL EDUCATION INSTITUTE, MASSACHUSETTS AUDUBON SOCIETY, LINCOLN, MASS. 01773 ($1.00 FOR GRADES 10-14, $0.60 EACH FOR GRADES 7-9 AND UPDATE I)

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ACCESSION NUMBER: ED094912

TITLE: ENVIRONMENTAL EDUCATION. TEACHER'S HANDBOOK, GRADE 5.

DESCRIPTOR: AMERICAN INDIANS; CONSERVATION EDUCATION; ECOLOGY; ENRICHMENT ACTIVITIES; *ENVIRONMENTAL EDUCATION; *GRADE 5; NATURAL RESOURCES; *OUTDOOR EDUCATION; POLLUTION; RESOURCE MATERIALS; *SCIENCE UNITS; *TEACHING GUIDES

DESCRIPTIVE NOTE: 153P.

PREPARED FOR USE IN THE 5TH GRADE, THIS TEACHER'S HANDBOOK CONSISTS OF 19 SCIENCE UNITS DEALING WITH ENVIRONMENTAL EDUCATION. TOPICS ARE ECOLOGY, LANGUAGE ARTS, ROCKS AND FOSSILS, SOIL, NOISE POLLUTION, NASHVILLE PIONEERS AND AMERICAN INDIANS, CONSERVATION, WASTE AND LITTER, WATER POLLUTION, COMPASS AND MAPPING, PLANTS AND TREES, USE OF THE SENSES, ANIMAL HOMES, AIR POLLUTION, ARTS AND CRAFTS, INSECTS, MATHEMATICS OUTDOORS, PLOT STUDY, THE TOTAL ENVIRONMENT OF AN AREA, AND ENERGY. UNIT OBJECTIVES, TIME LENGTH, CONCEPTS, VOCABULARY, ACTIVITIES, AND A LIST OF RESOURCE MATERIALS ARE GIVEN FOR EACH. (NQ)

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ACCESSION NUMBER: ED094948

PUBLICATION DATE: 74

TITLE: ENVIRONMENTAL EDUCATION ACTIVITY SHEETS 1-11.

PERSONAL AUTHOR: HALSEY, CLIFTON F.; AND OTHERS

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; FIELD STUDIES; OUTDOOR EDUCATION; SCIENCE ACTIVITIES; SECONDARY SCHOOL STUDENTS

IDENTIFIER: UNIVERSITY OF MINNESOTA

DESCRIPTIVE NOTE: 34P.

THESE ACTIVITY SHEETS, DEVELOPED BY PERSONNEL OF THE AGRICULTURAL EXTENSION SERVICE OF THE UNIVERSITY OF MINNESOTA, WERE DESIGNED FOR YOUTH GROUP CAMPERS BUT MAY BE USED BY OTHER POPULATIONS AND INDIVIDUALS. EACH ACTIVITY SHEET FOCUSES ON A SEPARATE TOPIC: (1) SELECTING SUITABLE USES FOR LAND, (2) MEASURING THE STEEPNESS OF LAND, (3) DETERMINING SOIL TEXTURE, (4) THE GREAT RAINFALL RUNOFF RACE, (5) BUILDING A NEW TOWN, (6) EXPLORING THE PRAIRIE AND FOREST, (7) EXPLORING THE POND OR LAKESHORE, (8) EXPLORING THE SOIL, (9) EXPLORING GRAY SQUIRREL ENVIRONMENTS, (10) STUDYING SOIL EROSION AND ITS CONTROL, AND (11) A CLASSROOM FULL OF TREES. EACH SHEET IS SIMILAR IN FORMAT: DESCRIPTIVE INFORMATION IS PROVIDED RELATING TO THE TOPIC OF THE ACTIVITY AND DIRECTIONS ARE GIVEN FOR PREPARING THE MATERIALS NEEDED FOR THE ACTIVITY. A BRIEF TEACHING OUTLINE IS PROVIDED FOR SOME OF THE ACTIVITIES. (PEB)

AVAILABILITY: UNIVERSITY OF MINNESOTA, AGRICULTURAL EXTENSION SERVICE, BULLETIN ROOM, ST. PAUL, MINNESOTA 55101

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PART II: CITATIONS FROM

CURRENT INDEX TO JOURNALS IN EDUCATION

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ACCESSION NUMBER: EJ083249

PUBLICATION DATE: SUM 73

TITLE: FACTORS WHICH INFLUENCE ELEMENTARY TEACHERS' USE OF OUTDOOR CLASSROOMS

PERSONAL AUTHOR: MIRKA, GEORGE

DESCRIPTOR: *ELEMENTARY SCHOOL TEACHERS; *INSTRUCTION; *OUTDOOR EDUCATION; *RESEARCH; *USE STUDIES; COMPARATIVE ANALYSIS; ENVIRONMENTAL EDUCATION; TEACHING METHODS

JOURNAL CITATION: JOURNAL OF ENVIRONMENTAL EDUCATION; 4; 4; 31-33

ACCESSION NUMBER: EJ083518

PUBLICATION DATE: JAN 73

TITLE: ENVIRONMENTAL RESOURCE CENTER--MAKING THE OUTDOORS AVAILABLE TO THE HANDICAPPED

PERSONAL AUTHOR: MCGRATH, RAY

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION; *PHYSICALLY HANDICAPPED; *MENTALLY HANDICAPPED; CAMPING; RECREATIONAL ACTIVITIES; RECREATIONAL PROGRAMS

JOURNAL CITATION: JOURNAL OF HEALTH PHYSICAL EDUCATION RECREATION; 44; 1; 46-8

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ACCESSION NUMBER: EJ083838

PUBLICATION DATE: OCT 73

TITLE: SCIENCE: ENVIRONMENTAL STUDIES

PERSONAL AUTHOR: ROTH, ROBERT E.

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *COMMUNITY STUDY; *ENVIRONMENT; ENVIRONMENTAL RESEARCH; SOCIAL RESPONSIBILITY; BIOLOGICAL SCIENCES; ENVIRONMENTAL CRITERIA; OUTDOOR EDUCATION

AUTHOR PROPOSES A COMMUNITY STUDY PROJECT OF THEIR OWN ENVIRONMENT IN ORDER FOR STUDENTS TO BETTER UNDERSTAND THE INTERDEPENDENCE OF LIVING THINGS. (GB)

JOURNAL CITATION: INSTRUCTOR; 83; 2; 68-9

ACCESSION NUMBER: EJ084631

PUBLICATION DATE: JUL 73

TITLE: LA VISEE (THE ENVISIONED GOAL)

PERSONAL AUTHOR: ADER, FRANCOIS; VIEL, JACQUES

DESCRIPTOR: *EDUCATIONAL POLICY; *FLEXIBLE SCHEDULING; *STAFF ROLE; *CORE CURRICULUM; INDEPENDENT STUDY; OUTDOOR EDUCATION; INTERDISCIPLINARY APPROACH; STUDENT PARTICIPATION

DEALS WITH SOME OF THE GENERAL OBJECTIVES WHICH THE 1973 DECREE RECOMMENDS. (DD)

JOURNAL CITATION: PEDAGOGIE; 28; 7; 648-50

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ACCESSION NUMBER: EJ084632

PUBLICATION DATE: JUL 73

TITLE: LA PREPARATION DANS UNE ECOLE (PLANNING IN ONE SCHOOL)

DESCRIPTOR: *SCHOOL SCHEDULES; *TRIMESTER SCHEDULES; *PROGRAM LENGTH; INDIVIDUALIZED INSTRUCTION; INDEPENDENT STUDY; OUTDOOR EDUCATION; STUDENT PARTICIPATION; PARENT SCHOOL RELATIONSHIP; EVALUATION

DISCUSSES POSSIBLE USE OF THE "FREE" TIME PROVIDED FOR IN THE 1973 DECREE FROM THE MINISTRY OF NATIONAL EDUCATION AS PROJECTED BY ONE SCHOOL PRINCIPAL. (DD)

JOURNAL CITATION: PEDAGOGIE; 28; 7; 651-53

ACCESSION NUMBER: EJ084633

PUBLICATION DATE: JUL 73

TITLE: DES PROJETS, DES PEURS, DES DECOUVERTES... (PROJECTS, FEARS, DISCOVERIES...)

PERSONAL AUTHOR: ADER, FRANCOIS; VIEL, JACQUES

DESCRIPTOR: *SECONDARY SCHOOLS; *SCHEDULING; *TEACHER ATTITUDES; *STUDENT PARTICIPATION; INDEPENDENT STUDY; INTERDISCIPLINARY APPROACH; OUTDOOR EDUCATION; GROUP RELATIONS; WORKSHOPS; CREATIVE ACTIVITIES

DISCUSSES PROJECTED PLANS FOR THE FREE TIME MODULE--INDEPENDENT STUDY, THEATER, CREATIVE ACTIVITIES, ETC. (DD)

JOURNAL CITATION: PEDAGOGIE; 28; 7; 654-58

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ACCESSION NUMBER: EJ085642

PUBLICATION DATE: DEC 73

TITLE: THE SELKIRK STORY: A CONTEMPORARY PROGRAM OF ENVIRONMENTAL EDUCATION

PERSONAL AUTHOR: FISCUS, KEITH E.

DESCRIPTORS: *ENVIRONMENTAL EDUCATION; *AGRICULTURAL EDUCATION; *FIELD INSTRUCTION; *OUTDOOR EDUCATION; *DEMONSTRATION CENTERS; INSTRUCTIONAL PROGRAMS; TEACHING METHODS; INSTRUCTIONAL INNOVATION; SECONDARY EDUCATION

IDENTIFIER: *SELKIRK HIGH SCHOOL

SELKIRK HIGH SCHOOL TOOK A BOLD STEP FORWARD IN ENVIRONMENTAL EDUCATION WITH THE DEVELOPMENT OF A MODEL ENVIRONMENTAL EDUCATION LABORATORY. THE PROGRAM UTILIZED A LEASED TRACT OF FOREST LAND IN ITS NATURAL SETTING AS AN INSTRUCTIONAL RESOURCE TO STUDY ENVIRONMENTAL EDUCATION. (MP)

JOURNAL CITATION: AGRICULTURAL EDUCATION MAGAZINE; 46; 6; 139,142

ACCESSION NUMBER: EJ086642

PUBLICATION DATE: FEB 73

TITLE: OUTDOOR TEACHER EDUCATION AT NORTHERN ILLINOIS UNIVERSITY

PERSONAL AUTHOR: HAMMERMAN, DONALD R.

DESCRIPTORS: *FIELD EXPERIENCE PROGRAMS; *LEARNING EXPERIENCE; *OUTDOOR EDUCATION; *TEACHER EDUCATION; EDUCATIONAL OPPORTUNITIES; GRADUATE STUDY; PRACTICUMS; PROGRAM DESCRIPTIONS; STUDENT TEACHERS

IDENTIFIER: *NORTHERN ILLINOIS UNIVERSITY

JOURNAL CITATION: COMMUNICATOR; 5; 1; 2-6

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ACCESSION NUMBER: EJ086644

PUBLICATION DATE: F/W 73

TITLE: "GOODBYE, MOUNTAINS"

PERSONAL AUTHOR: RAFHLER, ELIZABETH A.

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *HIGH SCHOOL STUDENTS; *LEARNING EXPERIENCE; *OUTDOOR EDUCATION; ECOLOGY; FIELD TRIPS

TWENTY-SIX SOUTH SENIOR HIGH SCHOOL STUDENTS PARTICIPATED IN A FOUR DAY ECOLOGY FIELD TRIP TO THE DELAWARE WATER GAP NATIONAL RECREATION AREA. (NJ)

JOURNAL CITATION: COMMUNICATOR; 5; 1; 14-15

ACCESSION NUMBER: EJ086645

PUBLICATION DATE: F/W 73

TITLE: THE GREEN LAKES OUTDOOR EDUCATION CENTER

PERSONAL AUTHOR: SHELTMIRE, JACK C., JR.

DESCRIPTOR: *GRADE 5; *MATHEMATICS; *OUTDOOR EDUCATION; *READING; DISADVANTAGED YOUTH

IDENTIFIER: *GREEN LAKES OUTDOOR EDUCATION CENTER

JOURNAL CITATION: COMMUNICATOR; 5; 1; 19-20

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ACCESSION NUMBER: EJ086646

PUBLICATION DATE: F/W 73

TITLE: WILDERNESS CONCEPT--A CHARGE FOR OUTDOOR EDUCATION

PERSONAL AUTHOR: SCHWENGBER, JANET R.

DESCRIPTOR: *CONCEPT FORMATION; *FIELD EXPERIENCE PROGRAMS; *OUTDOOR EDUCATION; *PARKS; ENVIRONMENTAL EDUCATION

IDENTIFIER: *WILDERNESS

JOURNAL CITATION: COMMUNICATOR; 5; 1; 22-23

ACCESSION NUMBER: EJ086648

PUBLICATION DATE: F/W 73

TITLE: SAFARI AT THE BRONX ZOO

PERSONAL AUTHOR: HERMAN, HERBERT S.; KLAW, ROSE

DESCRIPTOR: *FIELD TRIPS; *INTERDISCIPLINARY APPROACH; *SCIENCE ACTIVITIES; *ZOOS; ELEMENTARY SCIENCE; EXPERIMENTAL PROGRAMS; OUTDOOR EDUCATION; PROGRAM DESCRIPTIONS; READING ABILITY

IDENTIFIER: *BRONX ZOO

JOURNAL CITATION: COMMUNICATOR; 5; 1; 32-35

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ACCESSION NUMBER: EJ086649

PUBLICATION DATE: F/W 73

TITLE: NO HIDING PLACE

PERSONAL AUTHOR: COCK, ARTHUR H.

DESCRIPTOR: *COLLEGE STUDENTS; *LEARNING EXPERIENCE; *MARINE BIOLOGY; *OUTDOOR EDUCATION; ECOLOGY; SUMMER PROGRAMS

IDENTIFIER: *RAQUETTE LAKE; OUTDOOR EDUCATION CENTER

*THE OUTDOOR EDUCATION CENTER AT RAQUETTE LAKE PROVIDES AN ENVIRONMENT FOR GRADUATE AND ADVANCED UNDERGRADUATE STUDENTS TO STUDY FRESH WATER BIOLOGY--LIMNOLOGY. (NQ)

JOURNAL CITATION: COMMUNICATOR; 5; 1; 36-37

ACCESSION NUMBER: EJ086650

PUBLICATION DATE: F/W 73

TITLE: THE MOUNTAIN CLASSROOM

PERSONAL AUTHOR: LEWIS, CHARLES; ZASO, GUS

DESCRIPTOR: *CAMPING; *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION; *SKILL DEVELOPMENT; LEARNING EXPERIENCE

IDENTIFIER: *WHITE MOUNTAINS; NEW HAMPSHIRE

TWO GROUPS OF STUDENTS AT THE UNIVERSITY OF NEW HAMPSHIRE ATTENDED 6 WEEKLY CLASS MEETINGS ON CAMPUS AND 3 OVERNIGHT WEEKEND SESSIONS IN THE WHITE MOUNTAINS TO STUDY THE ENVIRONMENT. (NQ)

JOURNAL CITATION: COMMUNICATOR; 5; 1; 38-39

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ACCESSION NUMBER: EJ086651

PUBLICATION DATE: F/W 73

TITLE: PROFESSIONAL PREPARATION IN OUTDOOR EDUCATION. IS IT REALLY NECESSARY?

PERSONAL AUTHOR: HAMMERMAN, DONALD R.

DESCRIPTOR: *HIGHER EDUCATION; *OUTDOOR EDUCATION; *PROFESSIONAL TRAINING; *TEACHER EDUCATION

JOURNAL CITATION: COMMUNICATOR; 5; 1; 44-47

ACCESSION NUMBER: EJ086724

PUBLICATION DATE: SEP 73

TITLE: THE FOREST, PART 4: LATE SUMMER AND FALL

PERSONAL AUTHOR: JOHNSON, ELFRIEDE NEMETZ

DESCRIPTOR: *ECOLOGY; *SCIENCE ACTIVITIES; *SCIENCE EXPERIMENTS; *SECONDARY SCHOOL SCIENCE; BIOLOGY; OUTDOOR EDUCATION; RESOURCE MATERIALS; SCIENCE EDUCATION

IDENTIFIER: *FORESTS

ABSTRACT: BRIEFLY DESCRIBES THE ECOLOGY OF A DECIDUOUS FOREST, AND SUGGESTS ACTIVITIES FOR OBSERVING AND APPRECIATING THE CHANGES THAT OCCUR DURING THE FALL. SIMPLE EXPERIMENTS RELATING TO MOSSES AND LICHENS ARE OUTLINED. (JR)

JOURNAL CITATION: SCIENCE ACTIVITIES; 10; 1; 42-43

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ACCESSION NUMBER: EJ086761

PUBLICATION DATE: OCT 73

TITLE: THE NATURAL AREA: TEACHING TOOL AND COMMUNITY CATALYST

PERSONAL AUTHOR: DAVIS, ROGER M.; GRIMM, FLOYD M., III

DESCRIPTOR: *COLLEGE SCIENCE; *COMMUNITY INVOLVEMENT; *FIELD INSTRUCTION; *SCIENCE FACILITIES; BIOLOGY; ECOLOGY; OUTDOOR EDUCATION; SCIENCE EDUCATION; TEACHING METHODS

IDENTIFIER: *NATURAL AREAS

DISCUSSES THE PROPERTIES DESIRABLE IN A NATURAL AREA TO BE USED AS A TEACHING TOOL IN COLLEGE COURSES SUCH AS GENERAL BIOLOGY, BOTANY, ZOOLOGY, ENTOMOLOGY, AND ECOLOGY. DESCRIBES THE USE OF A NATURAL AREA AT HARFORD COMMUNITY COLLEGE, MARYLAND, AND OUTLINES THE COMMUNITY INVOLVEMENT IN PLANNING AND UTILIZING THE AREA. (JR)

JOURNAL CITATION: AMERICAN BIOLOGY TEACHER; 35; 7; 405-406,414

ACCESSION NUMBER: EJ086849

PUBLICATION DATE: SEP 73

TITLE: BIOCENTRICITY IN WILDERNESS MANAGEMENT

PERSONAL AUTHOR: HENDEE, JOHN C.; STANKEY, GEORGE H.

DESCRIPTOR: *CONSERVATION EDUCATION; *ECOLOGICAL FACTORS; *ENVIRONMENTAL EDUCATION; *NATURAL RESOURCES; *WILDLIFE MANAGEMENT; BIOLOGICAL SCIENCES; LAND USE; OUTDOOR EDUCATION; RESOURCE MATERIALS

IDENTIFIES TWO CONTRASTING PHILOSOPHIES OF WILDERNESS MANAGEMENT (ANTHROPOCENTRIC VERSES BIOCENTRIC) AND DISCUSSES SOME OF THEIR THEORETICAL, EMPIRICAL, AND PRACTICAL IMPLICATIONS. EVALUATES THE CONTRASTING PHILOSOPHIES AND SUPPORTS THE RATIONALE FOR THE BIOCENTRIC APPROACH TO WILDERNESS MANAGEMENT. (JR)

JOURNAL CITATION: BIOSCIENCE; 23; 9; 535-538

BEST COPY AVAILABLE

ACCESSION NUMBER: EJ088257

PUBLICATION DATE: F 73

TITLE: YOUR LAND AND MY LAND

PERSONAL AUTHOR: HOLMES, LESLIE A.

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *ENVIRONMENTAL INFLUENCES; *PHYSICAL ENVIRONMENT; *POPULATION TRENDS; NATURAL RESOURCES; OUTDOOR EDUCATION; POLLUTION

JOURNAL CITATION: JOURNAL OF OUTDOOR EDUCATION; 8; 1; 3-7

ACCESSION NUMBER: EJ088258

PUBLICATION DATE: F 73

TITLE: OUTDOOR TEACHER EDUCATION AT NIU--PAST, PRESENT, FUTURE

PERSONAL AUTHOR: HAMMERMAN, DONALD R.

DESCRIPTOR: *BACKGROUND; *EDUCATIONAL FACILITIES; *OUTDOOR EDUCATION; *TEACHER EDUCATION; LEARNING EXPERIENCE; PROGRAM DESCRIPTIONS

IDENTIFIER: *NORTHERN ILLINOIS UNIVERSITY

THE PAST, PRESENT, AND FUTURE OF THE DEPARTMENT OF OUTDOOR TEACHER EDUCATION AT NORTHERN ILLINOIS UNIVERSITY ARE DISCUSSED. (NO)

JOURNAL CITATION: JOURNAL OF OUTDOOR EDUCATION; 8; 1; 8-11

BEST COPY AVAILABLE

ACCESSION NUMBER: EJ088259

PUBLICATION DATE: F 73

TITLE: A VIEW FROM THE FIELD--A TEACHER'S PERSPECTIVE

PERSONAL AUTHOR: MCBRIDE, MARY JO

DESCRIPTOR: *LEARNING ACTIVITIES; *OUTDOOR EDUCATION; *TEACHER ATTITUDES; *TEACHER INFLUENCE; ELEMENTARY GRADES

A 5TH GRADE TEACHER DISCUSSES HOW THE OUTDOOR TEACHER EDUCATION PROGRAM AT TAFT CAMPUS INFLUENCED HER TEACHING. (NQ)

JOURNAL CITATION: JOURNAL OF OUTDOOR EDUCATION; 8; 1; 11-4

ACCESSION NUMBER: EJ088260

PUBLICATION DATE: F 73

TITLE: LET'S NOT FORGET NATURAL HISTORY

PERSONAL AUTHOR: CACEK, TERRY

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *HISTORY; *NATURAL RESOURCES; *NATURAL SCIENCES; OUTDOOR EDUCATION

JOURNAL CITATION: JOURNAL OF OUTDOOR EDUCATION; 8; 1; 14-16

BEST COPY AVAILABLE

ACCESSION NUMBER: EJ088261

PUBLICATION DATE: F 73

TITLE: INVESTIGATION OF CRITERIA INVOLVED IN SELECTION AND DEVELOPMENT OF OUTDOOR SITES

PERSONAL AUTHOR: NELSON, NEIL

DESCRIPTOR: *CRITERIA; *OUTDOOR EDUCATION; *SITE DEVELOPMENT; *SITE SELECTION; TABLES (DATA)

JOURNAL CITATION: JOURNAL OF OUTDOOR EDUCATION; 8; 1; 17-21

ACCESSION NUMBER: EJ088356

PUBLICATION DATE: SEP-OCT 73

TITLE: COMMENCEMENT ON A CORAL REEF

PERSONAL AUTHOR: WEBSTER, STEVEN K.

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *FIELD EXPERIENCE PROGRAMS; *MARINE BIOLOGY; *SECONDARY SCHOOL SCIENCE; ECOLOGY; EDUCATIONAL PROGRAMS; FIELD INSTRUCTION; OUTDOOR EDUCATION; SCIENCE EDUCATION

IDENTIFIER: *CORAL REEFS

DESCRIBES AN ENVIRONMENTAL PROGRAM IN WHICH SIXTEEN STUDENTS AND THREE BIOLOGY TEACHERS FROM NORTHFIELD MOUNT HERMON SCHOOL IN MASSACHUSETTS SPENT TWO WEEKS EXAMINING THE ECOLOGY OF A CARIBBEAN REEF.. (JR)

JOURNAL CITATION: OCEANS; 6; 5; 40-43

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ACCESSION NUMBER: EJ088357

PUBLICATION DATE: SEP-OCT 73

TITLE: TEACHING IN THE TIDEPOOLS

PERSONAL AUTHOR: MCFADDEN, DOROTHY LOA

DESCRIPTOR: *EDUCATIONAL FACILITIES; *FIELD EXPERIENCE PROGRAMS; *MARINE BIOLOGY; *OCEANOLOGY; *SCIENCE EDUCATION; ELEMENTARY SCHOOL SCIENCE; ENVIRONMENTAL EDUCATION; FIELD TRIPS; OUTDOOR EDUCATION; SECONDARY SCHOOL SCIENCE

DESCRIBES A NUMBER OF MARINE SCIENCE PROGRAMS AVAILABLE TO ELEMENTARY AND SECONDARY SCHOOL CHILDREN ON THE WEST COAST. FIELD CENTERS AND FACILITIES ENABLE STUDENTS TO GAIN FIRST HAND EXPERIENCE OF THE MARINE ENVIRONMENT. (JR)

JOURNAL CITATION: OCEANS; 6; 5; 44-49

ACCESSION NUMBER: EJ089980

PUBLICATION DATE: DEC 73

TITLE: THE EXPANDED CLASSROOM DATELINE: NEW DELHI

PERSONAL AUTHOR: RUSSELL, JUANITA G.

DESCRIPTOR: *OUTDOOR EDUCATION; *EDUCATIONAL OBJECTIVES; *EDUCATIONAL EXPERIENCE; *ELEMENTARY SCHOOL STUDENTS; FOREIGN CULTURE

IDENTIFIER: *AMERICAN INTERNATIONAL SCHOOL; NEW DELHI

DESCRIBES AN OUTDOOR EDUCATIONAL PROGRAM CONDUCTED AT THE AMERICAN INTERNATIONAL SCHOOL IN NEW DELHI, INDIA. CHILDREN SPENT SEVERAL DAYS WITH THEIR TEACHERS EXPLORING IN THE MOUNTAINS AS AN EXTENSION OF THE CLASSROOM CURRICULUM. (DP)

JOURNAL CITATION: ELEMENTARY SCHOOL JOURNAL; 74; 3; 125-129

BEST COPY AVAILABLE

ACCESSION NUMBER: EJ090048

PUBLICATION DATE: OCT 73

TITLE: CAMPING, ENVIRONMENTAL STYLE

DESCRIPTOR: *CONSERVATION EDUCATION; *ECOLOGY; *ENVIRONMENTAL EDUCATION; *ENVIRONMENTAL INFLUENCES; *OUTDOOR EDUCATION; CAMPING; EDUCATIONAL PROGRAMS; PHYSICAL ENVIRONMENT

THE ROGERS ENVIRONMENTAL EDUCATION CENTER IN SHERBURNE, NEW YORK, CONDUCTED A SERIES OF FOUR WEEK-LONG ENVIRONMENTAL WORKSHOPS FOR YOUNGSTERS 13-16 YEARS OLD DESIGNED TO ACQUAINT THEM WITH THE MAJOR ENVIRONMENTAL PROBLEMS CONFRONTING SOCIETY TODAY. ENVIRONMENTAL CHARACTERISTICS OF THE CENTER'S GROUNDS AND THE ACTIVITIES PROVIDED IN THE WORKSHOP ARE DESCRIBED. (JP)

JOURNAL CITATION: ENVIRONMENTAL SCIENCE AND TECHNOLOGY; 7; 10; 899

ACCESSION NUMBER: EJ090145

PUBLICATION DATE: DEC 73

TITLE: SCORPIONS, SQUIRRELS, OR SUNFLOWERS?

PERSONAL AUTHOR: BADARACCO, ROBERT J.

DESCRIPTOR: *EDUCATIONAL RESEARCH; *OUTDOOR EDUCATION; *SCIENCE EDUCATION; *STUDENT INTERESTS; BIOLOGY; ELEMENTARY SCHOOL SCIENCE; SECONDARY SCHOOL SCIENCE; STUDENT SCIENCE INTERESTS

IDENTIFIER: *STUDENT PREFERENCES; RESEARCH REPORTS

PRESENTS THE RESULTS OF A STUDY DESIGNED TO DETERMINE STUDENT PREFERENCES WITH RESPECT TO OUTDOOR (NATURAL HISTORY) STUDY TOPICS. A PRIMARY OBJECTIVE OF THE STUDY WAS TO OBTAIN KNOWLEDGE THAT MIGHT ASSIST INTERPRETERS AND EDUCATORS TO MORE EFFECTIVELY PLAN PROGRAMS AND ACTIVITIES THAT RECOGNIZE MEASURED PREDISPOSITIONS OF CHILDREN. (JR)

JOURNAL CITATION: AMERICAN BIOLOGY TEACHER; 35; 9; 528-530,538

BEST COPY AVAILABLE

ACCESSION NUMBER: EJ090612

PUBLICATION DATE: JAN 74

TITLE: ENVIRONMENTAL ECOLOGICAL EDUCATION

PERSONAL AUTHOR: WELISCH, SOPHIE A.

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *ECOLOGY; *EDUCATIONAL OBJECTIVES; *PROGRAM DEVELOPMENT; *OUTDOOR EDUCATION; BEHAVIOR CHANGE; LEARNING EXPERIENCE; YOUTH; BIOLOGICAL SCIENCES; FEDERAL GOVERNMENT

INTERDEPARTMENTAL CENTERS AND PROGRAMS DEALING WITH ENVIRONMENT ARE DISCUSSED AS WELL AS THE ROLE OF EDUCATION IN COMBATING ENVIRONMENTAL PROBLEMS. (AUTHOR/RK)

JOURNAL CITATION: EDUCATIONAL FORUM; 38; 2; 153-62

ACCESSION NUMBER: EJ091285

PUBLICATION DATE: JAN 74

TITLE: WOODCRAFT AND EDUCATION: THE ENGLISH WOODCRAFT CHIVALRY MOVEMENT

PERSONAL AUTHOR: MORRIS, R.

DESCRIPTOR: *EDUCATIONAL HISTORY; *EDUCATIONAL PHILOSOPHY; *YOUTH CLUBS; *STUDENT CENTERED CURRICULUM; *STUDENT PARTICIPATION; EDUCATIONAL CHANGE; YOUTH PROGRAMS; OUTDOOR EDUCATION

IDENTIFIER: ORDER OF WOODCRAFT CHIVALRY; GREAT BRITAIN

THE WOODCRAFT MOVEMENT IN BRITAIN AND AMERICA TO A LARGE EXTENT CAPTURED THE REBELLIOUS YOUTH CULTURE THAT EMERGED SPONTANEOUSLY AT THE TURN OF THIS CENTURY. (AUTHOR)

JOURNAL CITATION: JOURNAL OF EDUCATIONAL ADMINISTRATION AND HISTORY; 6; 1; 27-34

BEST COPY AVAILABLE

ACCESSION NUMBER: EJ091774

PUBLICATION DATE: F 73

TITLE: IMPLEMENTING A REGIONAL OUTDOOR EDUCATIONAL PROGRAM IN THE SCHOOLS

PERSONAL AUTHOR: DAVIS, MILLARD C.

DESCRIPTOR: *EDUCATIONAL PROGRAMS; *ELEMENTARY SCHOOL SCIENCE; *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS; ECOLOGY; ELEMENTARY GRADES; NATURE CENTERS; SCIENCE EDUCATION

DESCRIBES AN OUTDOOR EDUCATIONAL PROGRAM OFFERED TO ELEMENTARY SCHOOL CHILDREN IN THE HOPEWELL VALLEY REGIONAL SCHOOL DISTRICT (PENNINGTON, NEW JERSEY). (JR)

JOURNAL CITATION: NATURE STUDY; 27; 3; 4-6

ACCESSION NUMBER: EJ091785

PUBLICATION DATE: DEC/JAN 74

TITLE: THE REASONS FOR OUTDOOR EDUCATION

PERSONAL AUTHOR: ZIPKO, STEPHEN J.

DESCRIPTOR: *EDUCATIONAL OPPORTUNITIES; *ELEMENTARY SCHOOL SCIENCE; *ENVIRONMENT, *OUTDOOR EDUCATION; *SECONDARY SCHOOL SCIENCE; ENVIRONMENTAL EDUCATION; SCIENCE ACTIVITIES; SCIENCE EDUCATION

DISCUSSES THE MANY BENEFITS AND ADVANTAGES TO BE GAINED BY INCLUDING OUTDOOR EDUCATION IN EVERY FACET OF THE SCHOOL CURRICULUM. (JR)

JOURNAL CITATION: SCIENCE ACTIVITIES; 31-33

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ACCESSION NUMBER: EJ 92766

PUBLICATION DATE: MAR 7-

TITLE: DRUMHELLER TEACHERS AND THE BADLANDS CAMPOUT

PERSONAL AUTHOR: GARDEN, GLENROY C.

DESCRIPTOR: *GEOLOGY; *PALEONTOLOGY; *CAMPING; *OUTDOOR EDUCATION; *SCIENCE EDUCATION; SUMMER PROGRAMS

IN ALBERTA, CANADA, AT THE RIM OF THE GREAT WESTERN PLAINS, AN ENTHUSIASTIC GROUP HAS SHOWN HOW TEACHERS CAN HAVE FAMILY FUN WHILE LEARNING A LOT OF SCIENCE FIRSTHAND -- AT SMALL FINANCIAL COST. (AUTHOR)

JOURNAL CITATION: PHI DELTA KAPPAN; 55; 7; 462-464

ACCESSION NUMBER: EJ093821

PUBLICATION DATE: APR 74

TITLE: TRY ROUGHING IT™ IN '74

DESCRIPTOR: *VACATION PROGRAMS; *OUTDOOR EDUCATION; *CAMPING; *TRAILS; *RECREATIONAL ACTIVITIES; PHOTOGRAPHS; HORSES

ARTICLE DESCRIBED A NUMBER OF ACTIVITIES VACATIONERS CAN PURSUE THIS YEAR. (RK)

JOURNAL CITATION: INSTRUCTOR; 83; 8; 108-10,112,115

BEST COPY AVAILABLE

ACCESSION NUMBER: EJ095020

PUBLICATION DATE: MAR 74

TITLE: INDOORS-OUTDOORS

PERSONAL AUTHOR: AGGETT, ELIZABETH

DESCRIPTOR: *OUTDOOR EDUCATION; *FIELD TRIPS; *EARLY CHILDHOOD EDUCATION; *OPEN EDUCATION; *PROGRAM DESCRIPTIONS; ENVIRONMENT

IDENTIFIER: EVELYN LOWE SCHOOL; LONDON

THE HEADMISTRESS OF A BRITISH PRIMARY SCHOOL DESCRIBES HER SCHOOL, AND DISCUSSES THE EXTENSIVE USE OF OUTDOOR ACTIVITIES AND FIELD TRIPS. (ST)

JOURNAL CITATION: CHILDHOOD EDUCATION; 50; 5; 274-279

ACCESSION NUMBER: EJ095095

PUBLICATION DATE: SEP 73

TITLE: A FIELD STUDIES CAMP FOR GRADE 7 CHILDREN

PERSONAL AUTHOR: ENDERSBEE, J. B.

DESCRIPTOR: *CAMPING; *ELEMENTARY SCHOOL SCIENCE; *FIELD STUDIES; *PROGRAM DESCRIPTIONS; GRADE 7; OUTDOOR EDUCATION; SCIENCE ACTIVITIES; SCIENCE EDUCATION; SCIENCE PROGRAMS

IDENTIFIER: *AUSTRALIA

JOURNAL CITATION: SOUTH AUSTRALIAN SCIENCE TEACHERS JOURNAL; 733; 46-47

BEST COPY AVAILABLE

ACCESSION NUMBER: EJ095201

PUBLICATION DATE: FEB 74

TITLE: MATHEMATICS OUTSIDE THE CLASSROOM

PERSONAL AUTHOR: JOHNSON, DONOVAN A.

DESCRIPTOR: *LEARNING ACTIVITIES; *MATHEMATICAL APPLICATIONS; *MATHEMATICAL ENRICHMENT; *MATHEMATICS EDUCATION; *OUTDOOR EDUCATION; GEOMETRIC CONCEPTS; INSTRUCTION; MEASUREMENT; PROBABILITY; TEACHING TECHNIQUES

MATHEMATICS IN NATURE AND IN THE TECHNOLOGICAL WORLD IS DISCUSSED. OUTDOOR ACTIVITIES WITH MATHEMATICAL CONTENT ARE LISTED. (JP)

JOURNAL CITATION: SCHOOL SCIENCE AND MATHEMATICS; 74; 2; 129-134

ACCESSION NUMBER: EJ095222

PUBLICATION DATE: FEB 74

TITLE: NATURE'S CLASSROOM

PERSONAL AUTHOR: STACY, DENNIS

DESCRIPTOR: *ELEMENTARY SCHOOL SCIENCE; *GENERAL SCIENCE; *OUTDOOR EDUCATION; *SCIENCE ACTIVITIES; *SECONDARY SCHOOL SCIENCE; ACTIVITIES; PLAYGROUND ACTIVITIES; SCIENCE EDUCATION

DISCUSSES THE VALUE OF OUTDOOR EDUCATION AND DESCRIBES SEVERAL SCIENCE ACTIVITIES THAT CAN BE SIMPLY AND INEXPENSIVELY PERFORMED, USING THE SCHOOL PLAYGROUND. (JR)

JOURNAL CITATION: SCIENCE ACTIVITIES; 12-13

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ACCESSION NUMBER: EJ096063

PUBLICATION DATE: SPR 74

TITLE: PROJECT RACSTOP

PERSONAL AUTHOR: POTTS, VERNON R.; KNOWLTON, JAMES

DESCRIPTOR: *PROGRAM DESCRIPTIONS; *ANTI SEGREGATION PROGRAMS; *RACIAL INTEGRATION; *OUTDOOR EDUCATION; *GRADE 7; RACE RELATIONS; JUNIOR HIGH SCHOOL STUDENTS

IDENTIFIER: BATTLE CREEK; MICHIGAN

THE OUTWARD BOUND APPROACH IS BEING USED BY ONE PUBLIC SCHOOL SYSTEM AS AN EFFECTIVE MEANS OF FACILITATING INTERRACIAL UNDERSTANDING AND ACCEPTANCE AMONG 7TH GRADE STUDENTS. (AUTHOR/DN)

JOURNAL CITATION: CATALYST FOR CHANGE; 3; 3; 16-18

ACCESSION NUMBER: EJ097064

PUBLICATION DATE: MAY 74

TITLE: BLM AND ITS OUTDOOR PROGRAM

PERSONAL AUTHOR: CHASE, CRAIG C.

DESCRIPTOR: *OUTDOOR EDUCATION; *FEDERAL PROGRAMS; PROGRAM DESCRIPTIONS

IDENTIFIER: BLM; BUREAU OF LAND MANAGEMENT

JOURNAL CITATION: JOURNAL OF HEALTH, PHYSICAL EDUCATION, RECREATION; 45; 5; 75

BEST COPY AVAILABLE

ACCESSION NUMBER: EJ097065

PUBLICATION DATE: MAY 74

TITLE: AN OUTDOOR EDUCATION/CAMPING ADVENTURE

PERSONAL AUTHOR: WERNER, PETER; OCHS, DANIEL

DESCRIPTOR: *OUTDOOR EDUCATION; *CAMPING; *WORKSHOPS; COLLEGE CREDITS

IDENTIFIER: MIAMI UNIVERSITY

JOURNAL CITATION: JOURNAL OF HEALTH, PHYSICAL EDUCATION, RECREATION; 45; 5; 76

ACCESSION NUMBER: EJ097066

PUBLICATION DATE: MAY 74

TITLE: EXPERIENCES FOR FUTURE TEACHERS

PERSONAL AUTHOR: SMATHERS, KEENER; VAN GILDER, LESTER

DESCRIPTOR: *TEACHING EXPERIENCE; *OUTDOOR EDUCATION; *TEACHER EDUCATION

IDENTIFIER: OUTWARD BOUND CONCEPT

THIS ARTICLE REVIEWS THE CURRENT REVIVAL OF INTEREST IN THE "OUTWARD BOUND" CONCEPT IN TEACHER EDUCATION. (JA)

JOURNAL CITATION: JOURNAL OF HEALTH, PHYSICAL EDUCATION, RECREATION; 45; 5; 77-8

BEST COPY AVAILABLE

ACCESSION NUMBER: EJ098361

PUBLICATION DATE: SPR 74

TITLE: THE GOLDENROD BALL GALL

PERSONAL AUTHOR: FISCHER, RICHARD B.

DESCRIPTOR: *BOTANY; *ECOLOGY; *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION; *PLANT SCIENCE; AREA STUDIES; HISTORY; PLANT PROPAGATION

THE PAPER PRESENTS A GENERALIZED LIFE HISTORY OF THE GOLDENROD BALL GALL, A BALL-SHAPED SWELLING FOUND ALMOST EXCLUSIVELY ON THE CANADA GOLDENROD, SOLIDAGO CANADENSIS, AND CAUSED BY A PEACOCK FLY KNOW AS EUROSTA SOLDIAGINIS. (KM)

JOURNAL CITATION: COMMUNICATOR; 5; 2; 2-7

ACCESSION NUMBER: EJ098364

PUBLICATION DATE: SPR 74

TITLE: THE MUTTONTOWN ENVIRONMENTAL PROGRAM: A MODEL IN FIELD TRIPING-DAY CAMPING EXPERIENCES

PERSONAL AUTHOR: SKLIAR, NORMAN

DESCRIPTOR: *DAY CAMP PROGRAMS; *FIELD TRIPS; *OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS; ACTIVITIES; ENVIRONMENTAL EDUCATION; MODELS; INSTRUCTIONAL MATERIALS; PLANNING

IDENTIFIER: *NASSAU BOCES MUTTONTOWN ENVIRONMENTAL PROGRAM

JOURNAL CITATION: COMMUNICATOR; 5; 2; 14-17

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ACCESSION NUMBER: EJ098365

PUBLICATION DATE: SPR 74

TITLE: PENCIL POINTS

PERSONAL AUTHOR: TRIMM, WAYNE

DESCRIPTOR: *ART EDUCATION; *CREATIVE ACTIVITIES; *FREEHAND DRAWING; *GRAPHIC ARTS; *OUTDOOR EDUCATION; COLOR PRESENTATION; HISTORY; INSTRUCTIONAL MATERIALS; MULTIMEDIA INSTRUCTION; NATURAL RESOURCES

THE ARTICLE DISCUSSES OUTDOOR DRAWING, GIVING A BRIEF HISTORY AND ITS APPLICATIONS IN TODAY'S CLASSROOMS. THE USE OF GRIDS TO HELP STUDENTS GAIN AN EYE FOR PROPORTIONS AND SPATIAL RELATIONSHIPS IS EMPHASIZED. (KM)

JOURNAL CITATION: COMMUNICATOR; 5; 2; 18-19

ACCESSION NUMBER: EJ098366

PUBLICATION DATE: SPR 74

TITLE: ORIENTEERING: A THINGING MAN'S SPORT OR IT'S NOT NICE TO FOOL MOTHER NATURE

PERSONAL AUTHOR: AUGUST, IRWIN

DESCRIPTOR: *MAPS; *NAVIGATION; *OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS; COLLEGE STUDENTS; DISTANCE; FIELD TRIPS; GRAPHS; INSTRUCTIONAL MATERIALS

IDENTIFIER: *ORIENTEERING

ORIENTEERING IS LAND NAVIGATION THROUGH UNKNOWN COUNTRYSIDE WITH MAP AND COMPASS. THIS ARTICLE DESCRIBES AN ORIENTEERING PROGRAM IN THE ACTION EDUCATION CURRICULUM, STATE UNIVERSITY OF NEW YORK, COLLEGE AT PURCHASE. (KM)

JOURNAL CITATION: COMMUNICATOR; 5; 2; 20-3

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ACCESSION NUMBER: EJ098367

PUBLICATION DATE: SPR 74

TITLE: TO SWING A WILD GRAPE VINE

PERSONAL AUTHOR: FACKLAM, MARGERY

DESCRIPTOR: *NATURAL RESOURCES; *OUTDOOR EDUCATION; *PROBLEMS; *PROGRAM IMPROVEMENT; *SCIENCE EDUCATION; ATTITUDES; ENVIRONMENT; FIELD TRIPS; FORESTRY; MODELS

THE ARTICLE DISCUSSES THE TENDENCY TO TREAT NATURE AND OUTDOOR EDUCATION AS MUSEUM PIECES - SOMETHING NOT A PART OF MAN'S LIFE. SEVERAL OUTDOOR EDUCATION PROGRAMS THAT THE BUFFALO MUSEUM OF SCIENCE DEVELOPED TO PREVENT THIS ARE PRESENTED. (KM)

JOURNAL CITATION: COMMUNICATOR; 5; 2; 24-5

ACCESSION NUMBER: EJ098368

PUBLICATION DATE: SPR 74

TITLE: EXPLORING RAILROAD TRACK ECOLOGY AS AN OUTDOOR TEACHING TECHNIQUE

PERSONAL AUTHOR: BILLO, THOMAS J.

DESCRIPTOR: *ECOLOGY; *OUTDOOR EDUCATION; *RAIL TRANSPORTATION; *SCIENCE EDUCATION; *TEACHING TECHNIQUES; BIOLOGY; CLIMATIC FACTORS; NATURAL RESOURCES; URBAN AREAS

JOURNAL CITATION: COMMUNICATOR; 5; 2; 26-8

BEST COPY AVAILABLE

ACCESSION NUMBER: EJ098369

PUBLICATION DATE: SPR 74

TITLE: EXPLORING THE WOODLAND FLOOR

PERSONAL AUTHOR: BANNER, PAT

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *FORESTRY; *NATURAL RESOURCES; *OUTDOOR EDUCATION; ANIMAL SCIENCE; BIOLOGY; CLIMATIC FACTORS; HOUSING; PLANT SCIENCE

IDENTIFIER: NEW YORK

THE ARTICLE DISCUSSES THE OFTEN IGNORED INFORMATION THAT CAN BE DISCOVERED BY EXAMINING GROUND CHARACTERISTICS IN WOODS AND FORESTS. WOODLAND CYCLES, THE FOOD CHAIN, ANIMAL HABITATS, AND NATURE'S RECYCLING ARE INCLUDED. (KM)

JOURNAL CITATION: COMMUNICATOR; 5; 2; 32-5

ACCESSION NUMBER: EJ098370

PUBLICATION DATE: SPR 74

TITLE: OUR MONARCH BUTTERFLY

PERSONAL AUTHOR: GREGORY, GARDINER E.

DESCRIPTOR: *ENTOMOLOGY; *GROWTH PATTERNS; *INDIVIDUAL CHARACTERISTICS; *OUTDOOR EDUCATION; BIOLOGY; EVOLUTION; FOOD; HOUSING; SEX (CHARACTERISTICS)

IDENTIFIER: *MONARCH BUTTERFLY

JOURNAL CITATION: COMMUNICATOR; 5; 2; 36-8

BEST COPY AVAILABLE

ACCESSION NUMBER: EJ098372

PUBLICATION DATE: SPR 74

TITLE: A NATURALIST'S OBSERVATION ON FIELD TRIPS

PERSONAL AUTHOR: CONOLLY, BARBARA

DESCRIPTOR: *FIELD TRIPS; *IDENTIFICATION; *NATURAL RESOURCES; *OUTDOOR EDUCATION; *OBSERVATIONAL LEARNING; ENTOMOLOGY; ENVIRONMENT; ANIMAL SCIENCE; FIELD EXPERIENCE PROGRAMS; INSPECTION

JOURNAL CITATION: COMMUNICATOR; 5; 2; 46-8

ACCESSION NUMBER: EJ098537

PUBLICATION DATE: MAR 74

TITLE: ENVIRONMENTAL PROTECTION THROUGH EDUCATION

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION; *PARTICIPANT INVOLVEMENT; *SCIENCE PROJECTS; *SECONDARY SCHOOL SCIENCE; COLLEGE SCIENCE; CONSERVATION EDUCATION; EDUCATIONAL INNOVATION; ELEMENTARY SCHOOL SCIENCE

IDENTIFIER: *OFFICE OF ENVIRONMENTAL EDUCATION

FROM THE CUYAHOGA RIVER TO THE HALLS OF CONGRESS, ENVIRONMENTAL EDUCATION IS COMING INTO ITS OWN AS A FORCE FOR EDUCATIONAL REFORM AND ENVIRONMENTAL CONSERVATION. (EDITOR/JR)

JOURNAL CITATION: SCIENCE NEWS; 105; 9; 145-146

BEST COPY AVAILABLE

ACCESSION NUMBER: EJ098553

PUBLICATION DATE: 74

TITLE: SOME FACTORS AFFECTING NATURAL HISTORY INTERESTS

PERSONAL AUTHOR: DAVIS, MILLARD C.

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *INTERESTS; *NATURAL SCIENCES; *NATURE CENTERS; *SURVEYS; EDUCATIONAL INTEREST; OUTDOOR EDUCATION; QUESTIONNAIRES

THIS ARTICLE REPORTS THE RESULTS OF THREE RELATED EFFORTS TO OBTAIN INFORMATION ON THE TOPICS IN NATURAL HISTORY ABOUT WHICH PEOPLE ARE MOST INTERESTED IN LEARNING. TOPICAL LISTINGS ARE GIVEN WITH ENVIRONMENTAL CONCERNS INDICATED AS A HIGH INTEREST. INTERPRETATIONS OF THE LISTINGS ARE DISCUSSED WITH REGARD TO POSSIBLE INFLUENCES. (LS)

JOURNAL CITATION: JOURNAL OF ENVIRONMENTAL EDUCATION; 5: 3; 8-11

ACCESSION NUMBER: EJ098556

PUBLICATION DATE: 74

TITLE: STUDENT TEACHING AT A NATURE CENTER

PERSONAL AUTHOR: HOLTZ, R E.

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *NATURE CENTERS; *PROGRAM DESCRIPTIONS; *STUDENT TEACHING; *TEACHER EDUCATION; ACTIVITY LEARNING; FIELD STUDIES; OUTDOOR EDUCATION; OBJECTIVES; PRESERVICE EDUCATION

A PROGRAM WHERE PROSPECTIVE ELEMENTARY SCHOOL TEACHERS SPEND HALF-DAYS FOR FIVE WEEKS (OR SOME VARIATION) ASSISTING AND TEACHING AT A NATURE CENTER IS DESCRIBED. OBJECTIVES, ACTIVITIES, RELATED COURSE WORK, AND THE ROLE OF THE SUPERVISOR ARE ALL DISCUSSED. REPORTED REACTIONS OF ALL PERSONS INVOLVED WERE POSITIVE. (LS)

JOURNAL CITATION: JOURNAL OF ENVIRONMENTAL EDUCATION; 5; 3; 19-23

BEST COPY AVAILABLE

ACCESSION NUMBER: EJ098564

PUBLICATION DATE: 74

TITLE: RACHEL CARSONING THE SCHOOL

PERSONAL AUTHOR: TANNER, R. THOMAS

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *INSERVICE TEACHER EDUCATION; *NATURE CENTERS; *PRESERVICE EDUCATION; *WORKSHOPS; OUTDOOR EDUCATION; RESIDENT CAMP PROGRAMS; TEACHER EDUCATION

JOURNAL CITATION: JOURNAL OF ENVIRONMENTAL EDUCATION; 5; 3; 58-60

ACCESSION NUMBER: EJ098565

PUBLICATION DATE: 74

TITLE: NEW DIMENSIONS IN NATURE CENTER PLANNING

PERSONAL AUTHOR: SHOMON, JOSEPH J.

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *LAND USE; *NATURE CENTERS; *PROGRAM DEVELOPMENT; *SITE DEVELOPMENT; COMMUNITY INVOLVEMENT; OUTDOOR EDUCATION

JOURNAL CITATION: JOURNAL OF ENVIRONMENTAL EDUCATION; 5; 3; 61-62

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ACCESSION NUMBER: EJ098569

PUBLICATION DATE: MAY/JUN 74

TITLE: HOW TO CONDUCT A RESEARCH FIELD TRIP

PERSONAL AUTHOR: WACKER, DAVID G.

DESCRIPTOR: *BIOLOGICAL SCIENCES; *FIELD INSTRUCTION; *FIELD TRIPS; *SECONDARY SCHOOL SCIENCE; *TEACHING PROCEDURES; INSTRUCTION; OUTDOOR EDUCATION; SCIENCE ACTIVITIES; SCIENCE EDUCATION; TEACHING METHODS

DISCUSSES THE THREE PHASES OF A THREE-DAY INTENSIVE RESEARCH STUDY FIELD TRIP: PLANNING AND PRE-TRIP TRAINING; ACTUAL TRIP; AND POST-TRIP REPORT, RESEARCH AND DATA ORGANIZATION, AND FINAL TRIP EVALUATION. INCLUDED IS A SAMPLE PROGRAM OF THE LIMNOLOGY FIELD TRIP TAKEN BY THE GRAFTON HIGH SCHOOL, WISCONSIN. (CC)

JOURNAL CITATION: SCIENCE ACTIVITIES; 9-19

ACCESSION NUMBER: EJ098575

PUBLICATION DATE: MAY/JUN 74

TITLE: THE EXTENSION SERVICE: READY RESOURCES FOR TEACHERS

PERSONAL AUTHOR: EDDY, JOHN PAUL

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *FIELD TRIPS; *NATURAL RESOURCES; *OUTDOOR EDUCATION; *RESOURCES; ELEMENTARY SCHOOL SCIENCE; EXTENSION AGENTS; INFORMATION SOURCES; INSTRUCTIONAL MATERIALS; SCIENCE EDUCATION

JOURNAL CITATION: SCIENCE ACTIVITIES; 36-37

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ACCESSION NUMBER: EJ098590

PUBLICATION DATE: MAY/JUN 74

TITLE: EXPLORING OIL POLLUTION

PERSONAL AUTHOR: PILLO, THOMAS J.

DESCRIPTOR: *FUELS; *INSTRUCTIONAL MATERIALS; *MARINE BIOLOGY; *POLLUTION; *SCIENCE ACTIVITIES; COLLEGE SCIENCE; ENVIRONMENTAL EDUCATION; OUTDOOR EDUCATION; SCIENCE EDUCATION; SCIENCE MATERIALS

IDENTIFIER: OIL

DISCUSSES DAMAGES OF OIL TANKER SPILLAGE TO THE MARINE ORGANISMS AND SCIENTISTS' RESEARCH IN OIL POLLUTION REMOVAL TECHNIQUES. INCLUDED IS A LIST OF LEARNING ACTIVITIES CONCERNING THE CAUSES AND EFFECTS OF OIL POLLUTION AND METHODS OF SOLVING THE PROBLEM. (CC)

JOURNAL CITATION: SCIENCE ACTIVITIES; 52-57

ACCESSION NUMBER: EJ1[illegible]02

PUBLICATION DATE: SPR 74

TITLE: UNIVERSITY SPONSORED FOREIGN STUDY AS A MEANS OF CURRICULUM IMPROVEMENT

PERSONAL AUTHOR: WIENER, MORRIS

DESCRIPTOR: *CURRICULUM ENRICHMENT; *OUTDOOR EDUCATION; *SUMMER PROGRAMS; *STUDY ABROAD; *UNIVERSITY EXTENSION; FOREIGN COUNTRIES; FOREIGN RELATIONS; INTERNATIONAL EDUCATION; INSTRUCTIONAL TRIPS; TOURISM

JOURNAL CITATION: JOURNAL OF OUTDOOR EDUCATION; 8; 2; 2-5

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ACCESSION NUMBER: EJ100004

PUBLICATION DATE: SPR 74

TITLE: FOREIGN INTERNSHIP REPORT: ONE STUDENT'S PERSPECTIVE

PERSONAL AUTHOR: CHRISTENSON, GLADYS

DESCRIPTOR: *FOREIGN COUNTRIES; *INTERNSHIP PROGRAMS; *OUTDOOR EDUCATION; *TEACHER EDUCATION; CULTURAL BACKGROUND; EDUCATIONAL STRATEGIES; GRADUATE STUDY; INTERNATIONAL EDUCATION

IDENTIFIER: *GREAT BRITAIN

THE ARTICLE DESCRIBES A 3-MONTH GRADUATE INTERNSHIP PROGRAM IN GREAT BRITAIN. THE FOREIGN INTERNSHIP IS A PART OF THE OUTDOOR TEACHER EDUCATION PROGRAM AT NORTHERN ILLINOIS UNIVERSITY. (KM)

JOURNAL CITATION: JOURNAL OF OUTDOOR EDUCATION; 8; 2; 13-5

ACCESSION NUMBER: EJ100005

PUBLICATION DATE: SPR 74

TITLE: OUTDOOR EDUCATION -- EDINBURGH

PERSONAL AUTHOR: PARKER, TERRY

DESCRIPTOR: *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS; *RECREATIONAL PROGRAMS; FOREIGN COUNTRIES; NATURAL RESOURCES; PROGRAM DEVELOPMENT; TRAILS

IDENTIFIER: *EDINBURGH; SCOTLAND

IN SCOTLAND, OUTDOOR EDUCATION IS SEEN AS A COMBINATION OF OUTDOOR PURSUITS AND ENVIRONMENTAL STUDIES. THE ARTICLE DESCRIBES VARIOUS CENTRES IN THE EDINBURGH AREA, OUTDOOR EDUCATION EXPEDITIONS, AND PROGRAMS, SUCH AS MOUNTAINEERING, ROCK CLIMBING, ORIENTEERING, AND CANOEING. (KM)

JOURNAL CITATION: JOURNAL OF OUTDOOR EDUCATION; 8; 2; 15-20

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ACCESSION NUMBER: EJ100006

PUBLICATION DATE: SPR 74

TITLE: BASIC SURVIVAL TRAINING: A COOPERATIVE PROGRAM IN NEW ZEALAND

PERSONAL AUTHOR: SCHOLER, E. A.; WILLS, DUDLEY

DESCRIPTOR: *OUTDOOR EDUCATION; *SKILL DEVELOPMENT; *SAFETY EDUCATION; *TRAINING OBJECTIVES; ACCIDENT PREVENTION; COOPERATIVE PROGRAMS; COMMUNITY INVOLVEMENT; FOREIGN COUNTRIES; MAP SKILLS; MARKSMANSHIP; NATURAL RESOURCES; TRAVEL TRAINING

IDENTIFIER: *NEW ZEALAND

SOME YEARS AGO, REPRESENTATIVES OF THE NEW ZEALAND GOVERNMENT RECOGNIZED THE NEED TO EDUCATE PEOPLE REGARDING THE HAZARDS OF THE OUTDOORS AND TO TEACH THE SKILLS NECESSARY FOR SURVIVAL. THE FUNCTIONS OF THE MOUNTAIN SAFETY COUNCIL ARE EXPLAINED, AND A TYPICAL TRAINING PROGRAM IS DESCRIBED. (KM)

JOURNAL CITATION: JOURNAL OF OUTDOOR EDUCATION; 8; 2; 20-2

ACCESSION NUMBER: EJ100062

PUBLICATION DATE: APR 74

TITLE: FOR EVERY CHILD: A TREE

DESCRIPTOR: *ELEMENTARY SCHOOL SCIENCE; *OUTDOOR EDUCATION; *SCIENCE ACTIVITIES; *STUDENT PROJECTS; *TREES; BIOLOGY; GENERAL SCIENCE; SCIENCE EDUCATION; SCIENCE PROJECTS

IN THE ACTIVITY DESCRIBED, ELEMENTARY SCHOOL CHILDREN EACH ADOPT A TREE AND MAKE MONTHLY OBSERVATIONS WHICH ARE RECORDED IN THEIR LOG BOOKS. (JR)

JOURNAL CITATION: SCIENCE AND CHILDREN; 11; 7; 6

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ACCESSION NUMBER: EJ100408

PUBLICATION DATE: SPR 74

TITLE: PERSONAL CHANGE AND INVOLVEMENT IN OUTDOOR EDUCATION

PERSONAL AUTHOR: ARKELL, R. N.; PAICE, V. G.

DESCRIPTOR: *OUTDOOR EDUCATION; *PROGRAM EVALUATION; *RESEARCH METHODOLOGY; *CAMPING; *CHANGING ATTITUDES; ELEMENTARY SCHOOL STUDENTS; TABLES (DATA); EDUCATIONAL RESEARCH

RESPONSES TO A SELF-ESTEEM MEASURE AND FEELINGS OF ACCEPTANCE SCALE AND AN ALOOFNESS AND INDEPENDENCE QUESTIONNAIRE WERE COLLECTED FROM 134 RANDOMLY SELECTED GRADE 5 AND 6 STUDENTS ATTENDING PUBLIC SCHOOL IN A SMALL SASKATCHEWAN CITY. (AUTHOR)

JOURNAL CITATION: SASKATCHEWAN JOURNAL OF EDUCATIONAL RESEARCH AND DEVELOPMENT; 4; 2; 29-30

ACCESSION NUMBER: EJ101435

PUBLICATION DATE: MAY 74

TITLE: KANSAS STUDENTS ENJOY SUMMERTIME "MOUNTAIN VENTURES"

PERSONAL AUTHOR: HIGHFILL, KENNETH M.

DESCRIPTOR: *BIOLOGY; *CAMPING; *OUTDOOR EDUCATION; *SECONDARY SCHOOL SCIENCE; *SUMMER SCIENCE PROGRAMS; ECOLOGY; FIELD TRIPS; PROGRAM DESCRIPTIONS; SCIENCE EDUCATION; SCIENCE PROGRAMS

IDENTIFIER: *MOUNTAINEERING; ROCKY MOUNTAINS

DESCRIBES AN ELECTIVE BIOLOGY PROGRAM OFFERED AT LAWRENCE HIGH SCHOOL (KANSAS) THAT EMPHASIZES BASIC FIELD BIOLOGY, ECOLOGY, CONSERVATION, CAMPING, FIRST AID, MOUNTAINEERING, AND MAP READING. GROUPS OF STUDENTS SPEND TWO WEEKS IN THE ROCKY MOUNTAINS DEVELOPING KNOWLEDGE AND SKILLS IN THESE AREAS. (JR)

JOURNAL CITATION: AMERICAN BIOLOGY TEACHER; 36; 5; 279-281

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ACCESSION NUMBER: EJ101495

PUBLICATION DATE: MAY 74

TITLE: WHEELING YOUR WAY THROUGH THE OUTDOORS

PERSONAL AUTHOR: FALK, JOHN H.

DESCRIPTOR: *ELEMENTARY SCHOOL SCIENCE; *FIELD TRIPS; *INSTRUCTIONAL AIDS; *OUTDOOR EDUCATION; *SCIENCE ACTIVITIES; INSTRUCTIONAL MATERIALS; SCIENCE EDUCATION; SCIENCE MATERIALS

IDENTIFIER: *PLANT WHEE; BOTANICAL GARDENS

DESCRIBES THE USE OF THE "PLANT WHEEL" BY THE UNIVERSITY OF CALIFORNIA BOTANICAL GARDEN AS A MEANS OF PROVIDING ELEMENTARY SCHOOL CHILDREN WITH A STRUCTURED ACTIVITY AS THEY EXPLORE THE GARDEN AT THEIR OWN PACE. THIS ACTIVITY ACCOMMODATES THE CHILDREN'S CURIOSITY, ENERGY, AND ATTENTION SPAN. (JR)

JOURNAL CITATION: SCIENCE AND CHILDREN; 11; 8; 10-11

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